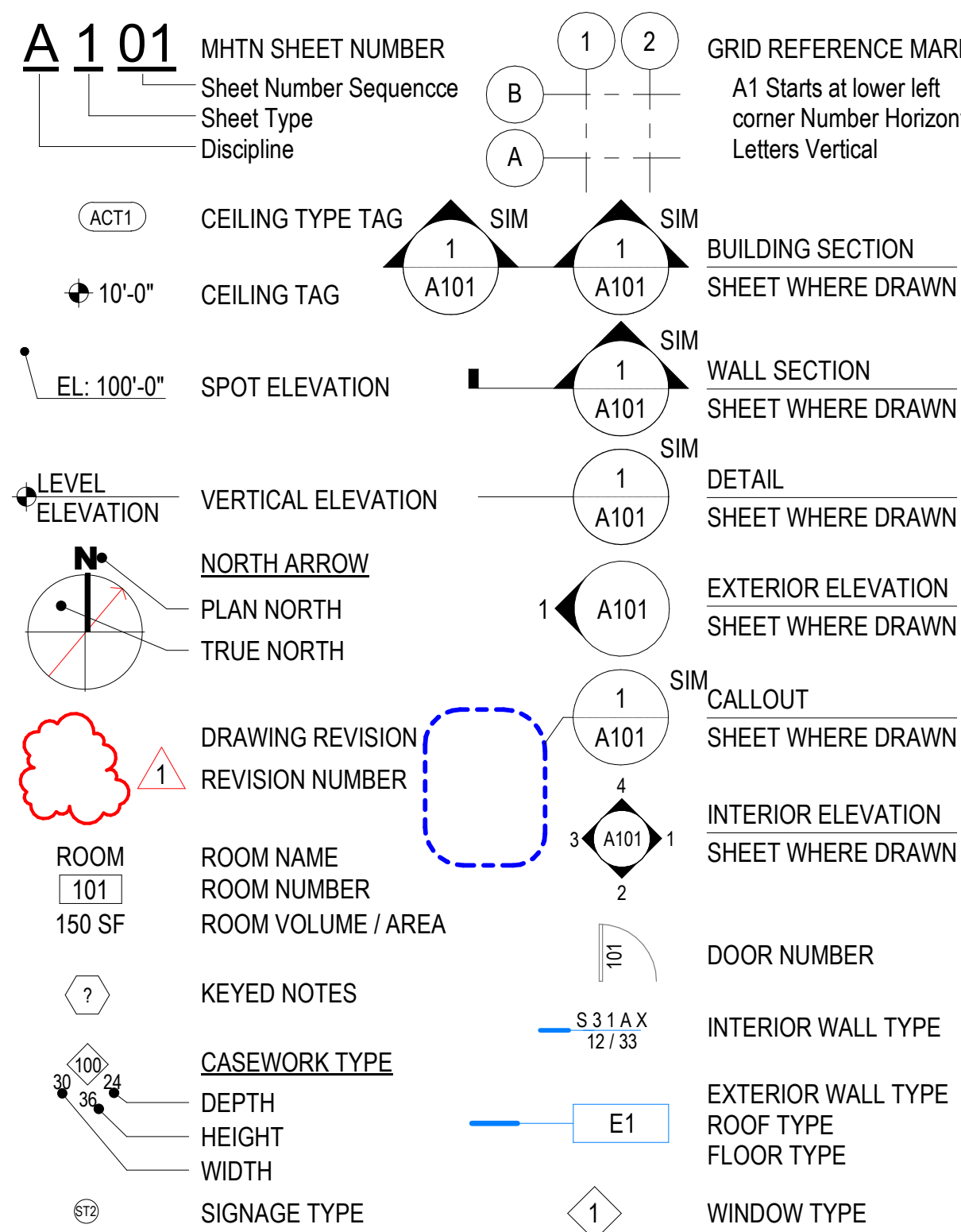


ABBREVIATIONS

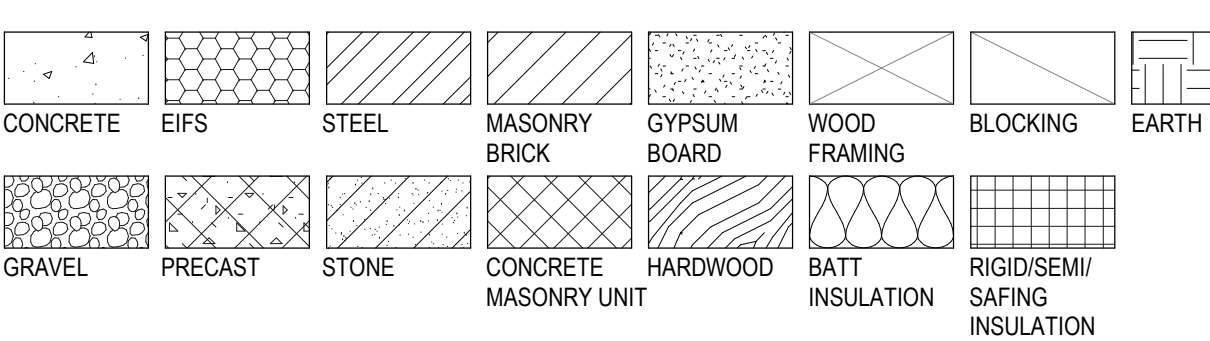
AC	AIR CONDITIONING	KD	KNOCK DOWN
AFF	ABOVE FINISH FLOOR	LAB	LABORATORY
ALT	ALTERNATE	LAV	LAVATORY
ALUM	ALUMINUM	MAINT	MAINTENANCE
APPROX	APPROXIMATE	MAX	MAXIMUM
ARCH	ARCHITECTURAL	MECH	MECHANICAL
AWIS	ADJUSTABLE WALL SHELF	MEZZ	MEZZANINE
BD	BOARD	MFR	MANUFACTURER
BLDG	BUILDING	MH	MANHOLE
BLKG	BLOCKING	MIN	MINIMUM
BO	BOTTOM OF	MISC	MISCELLANEOUS
BOT	BOTTOM	MO	MASONRY OPENING
BRB	BUCKLING RESTRAINED BRACE	NIC	NOT IN CONTRACT
BRG	BEARING	NO	NUMBER
CB	CATCH BASIN	NOM	NOMINAL
CFMF	COLD FORMED METAL FRAMING	NTS	NOT TO SCALE
CFOI	CONTRACTOR FURNISHED OWNER INSTALLED	OC	ON CENTER
CIP	CAST-IN-PLACE	OD	OUTSIDE DIAMETER
CJ	CONTROL JOINT	OFOI	OWNER FURNISHED OWNER INSTALLED
CL	CENTER LINE	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
CLG	CEILING	OH	OVERHEAD
CLR	CLEAR	OH DR	OVERHEAD DOOR
CMU	CONCRETE MASONRY UNIT	OPP	OPPOSITE
CO	CLEANOUT, CLEAR OPENING	PERP	PERPENDICULAR
COL	COLUMN	PL	PLATE, PROPERTY LINE
COMM	COMMUNICATION	PLAM	PLASTIC LAMINATE
CONC	CONCRETE	PLBG	PLUMBING
CONF	CONFERENCE	PLYVO	PLYWOOD
CONST	CONSTRUCT, CONSTRUCTION	PR	PAIR
CONT	CONTINUOUS	PREFAB	PREFABRICATED
COORD	COORDINATE	PTD	PAPER TOWEL DISPENSER
CORR	CORRIDOR	PTWR	PAPER TOWEL / WASTE RECEPTACLE
CTR	CENTER	QTY	QUANTITY
CTTD	COMBINED TOILET TISSUE DISPENSER	RD	ROOF DRAIN
DB	DECK BEARING ELEVATION	RE	REFER TO
DCS	DIAPER CHANGING STATION	REINF	REINFORCE, REINFORCING
DEMO	DEMOLITION	REOD	REQUIRED
DF	DRINKING FOUNTAIN	REF	REFRIGERATOR
DIA	DIAMETER	RH	ROBE HOOK
DIAG	DIAGONAL	RM	ROOM
DIM	DIMENSION	RO	ROUGH OPENING
DN	DOWN	RTU	ROOF TOP UNIT
DR	DOOR	RV	ROOF VENT
DTL	DETAIL	SD	SEAT COVER DISPENSER
DWG	DRAWING	SE	SEAT DISPENSER
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM	SF	SQUARE FEET
EJ	EXPANSION JOINT	SIM	SIMILAR
EL	ELEVATION	SINU	SANITARY NAPKIN VENDING UNIT
ELEC	ELECTRICAL	SNDU	SANITARY NAPKIN DISPOSAL UNIT
ELEV	ELEVATOR	SPEC	SPECIFICATION
EQ	EQUAL	SQ	SQUARE
EQUIP	EQUIPMENT	STD	STANDARD
EWC	ELECTRICAL WATER COOLER	STL	STEEL
EXP	EXPANSION	STRUT	STRUCTURAL
EXT	EXTERIOR	SUSP	SUSPENDED
FD	FLOOR DRAIN	THK	THICK, THICKNESS
FEC	FIRE EXTINGUISHER CABINET	TO	TOP OF
FIN	FINISH	TOB	TOP OF BEAM
FIN FLR	FINISH FLOOR	TOO	TOP OF DECK
FLR	FLOOR	TOS	TOP OF SLAB, TOP OF STRUCTURE
FM	FLOOR MOUNTED	TOW	TOP OF WALL
FT	FOOT, FEET	TTD	TOILET TISSUE DISPENSER
GA	GAUGE, GAGE	TYP	TYPICAL
GB	GYPSPUM BOARD	UNO	UNLESS NOTED OTHERWISE
GI	GALVANIZED IRON	VCT	VINYL COMPOSITION TILE
GLUAM	GLUED-LAMINATED TIMBER	VERT	VERTICAL
GTB	GLASS-MAT TILE BACKING BOARD	VEST	VESTIBULE
GYP BD	GYPSPUM BOARD	VTR	VENT THROUGH ROOF
HD	HAND DRYER	W	WITH
HRD	HAND DRYER	W/O	WITHOUT
HVAC	HEATING, VENTILATION, AIR CONDITIONING	WC	WATER CLOSET
ID	INSIDE DIAMETER	WD	WIDE FLANGE
IGB	IMPACT RESISTANT GYPSPUM BOARD	W	WIDE FLANGE
INT	INTERIOR	WH	WATER HEATER
ISO	ISOMETRIC	WMS	WALL MOUNTED SHELF
JAN	JANITOR	WR	WASTE RECEPTACLE
JT	JOINT	WWF	WELED WIRE FABRIC
		XFMR	TRANSFORMER

GENERAL SYMBOLS

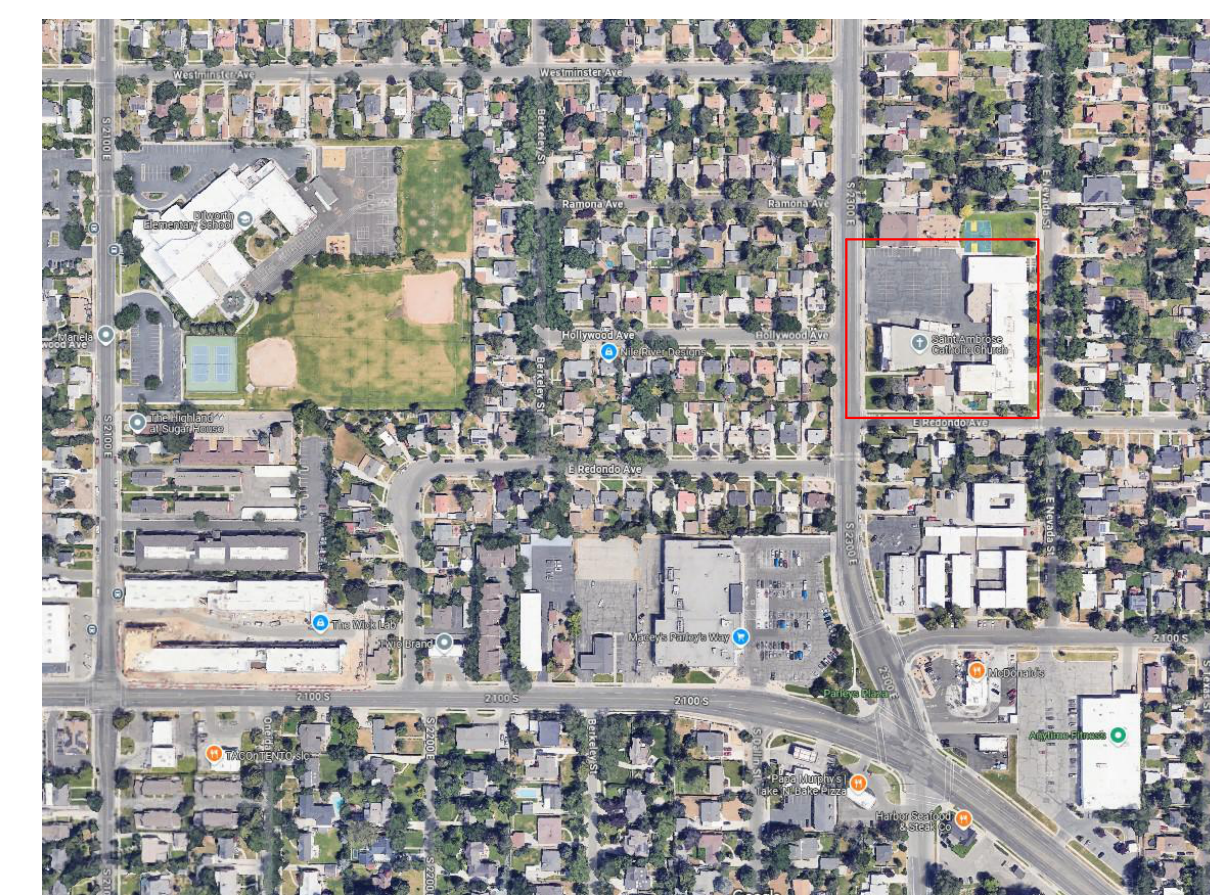
SEE PLUMBING, MECHANICAL AND ELECTRICAL FOR DISCIPLINE SYMBOLS



MATERIALS



VICINITY MAP



J.E. COSGRIFF

MEMORIAL CATHOLIC REMODEL

2335 REDONDO AVE

SALT LAKE CITY, UT 84108

CONSTRUCTION DOCUMENTS

MAY 21, 2025

PROJECT DATA

CIVIL RIGHTS ADA Standards for Accessible Design, 2010	
APPLICABLE CODES & STANDARDS International Building Code, including Appendices C & J (IBC), 2021 ed. International Mechanical Code (IMC), 2021 ed. International Plumbing Code (IPC), 2021 ed. National Electrical Code (NEC), 2020 ed. International Energy Conservation Code (IECC), 2021 ed., Prescriptive ANSI/ASHRAE Standard 90.1-2016, Prescriptive ICC/ANSI A117.1, 2017 ed. International Existing Building Code (IEBC), 2021 ed., Work Area - Level 2 Alteration International Fire Code (IFC), 2021 ed. International Fuel Gas Code (IFGC), 2021 ed.	
CRITERIA	
Occupancy Classification	E
Separation of Occupancies	Non-separated
Construction Type	IIB
Sprinkled	No
Building Height Allowable Height (Stories/Feet) N/A Actual Building Height (Stories/Feet) N/A	
Building Area (insert floors as needed) 1st Floor N/A 2nd Floor N/A Total N/A	
Fire-Resistance Ratings for Building Elements (IBC Table 601) Construction Type: IIB Primary Structural Frame: 0 Exterior Bearing Walls: 0 Interior Bearing Walls: 0 Exterior Non-Bearing Walls: 0 Interior Non-Bearing Walls: 0 Floor Construction & Associated Secondary Members: 0 Roof Construction & Associates Secondary Members: 0 Interior Exit Stairway (IBC Sec. 1023): NA Exit Access Stairway (IBC Sec. 1019): NA Two Story Vertical Openings (IBC Sec. 712.1.9): NA Shafts (IBC Sec. 713.4): NA Climate Zone: 5	

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G200	MOUNTING HEIGHTS & STANDARD DETAILS
G500	INTERIOR WALL TYPES
STRUCTURAL	
S001	STRUCTURAL GENERAL NOTES
S101	STRUCTURAL FLOOR PLAN
S501	STRUCTURAL DETAILS
ARCHITECTURAL	
AD101	DEMOLITION PLAN
A101	FIRST FLOOR PLAN
A410	INTERIOR ELEVATIONS
A600	DOOR SCHEDULE, TYPES & DETAILS
A620	WINDOW TYPES & DETAILS
A640	FINISH SCHEDULE, LEGEND & DETAILS
A651	FIRST FLOOR PATTERN PLAN
A710	CEILING DETAILS

MECHANICAL	
M101	MECHANICAL PLAN
M501	MECHANICAL SCHEDULES AND DETAILS
MP101	MECHANICAL PIPING PLANS

PLUMBING	
P101	PLUMBING PLANS
P501	PLUMBING SCHEDULES AND DETAILS

FIRE PROTECTION	
FP101	FIRE PROTECTION PLAN

ELECTRICAL	
E001	ELECTRICAL SYMBOLS AND NOTES
E002	SCHEDULE & NOTES
E060	ELECTRICAL DIAGRAMS
E061	SECURITY DIAGRAMS
ED101	ELECTRICAL DEMOLITION PLAN
E101	ELECTRICAL PLANS

PROJECT GENERAL REMODEL NOTES

Verify in Field (VIF): Field verify all dimensions and conditions at the site before submitting a bid or proceeding with any portion of the work.

Cut and Patch: Cut and patch existing building construction as required. Cutting and drilling of structural members not detailed requires the written permission of the structural engineer.

Conflicts: Whenever questions arise or conditions are encountered which are not covered by, or are in conflict with, the contract documents, consult with the Architect prior to taking any further action.

Demolish, Remove: Terms are used interchangeably to indicate detaching or tearing down items from existing construction and legally disposing of them off-site unless indicated to be removed and salvaged or removed and reinstalled.

Existing to Remain: Existing items of the building that are not to be permanently removed and that are not otherwise indicated to be demolished, removed, removed and salvaged or removed and reinstalled.

Equipment Relocation: Relocate existing mechanical and electrical as required for installation of new work.

Material Disposal: Legally dispose of all demolished or removed existing material, unless noted otherwise.

Salvage Material: Coordinate with the owner for removal of existing material noted to be returned to the owner. Removal shall be by the owner unless noted otherwise. Phasing: coordinate phasing of the work with the Owner and the Architect to meet the owner's schedule.

Protection & Cleaning: Contain all construction activity within construction barricades or fences. Protect owner's existing facilities and property adjacent to new construction. During and after work of this contract is complete, clean existing areas affected by the work to the owner's satisfaction.

Protect all existing conditions that remain during phased construction and/or demolition work. Repair any damage due to new work.

Repair & Replacement: Repair or replace existing facilities or property damaged by new construction. Match existing surface finish or material.

Patch & Repair: Patch and repair existing walls, floors, ceilings, landscaping, paving or other surfaces affected by demolition to match the existing material and finish.

Core Drilling Walls and Slabs: Use ground penetrating radar or other approved method to scan concrete over metal deck, concrete suspended slabs, masonry walls, and concrete walls to locate rebar prior to core drilling any holes. Holes shall be located to avoid rebar detected. All openings and groups of openings shall be reinforced as shown on the structural drawings. Submit openings not shown on the structural drawings to the Structural Engineer for review prior to drilling.

PROJECT GENERAL NOTES

Building Codes: Comply with requirements of the adopted editions of the international code council codes, the codes and standards referenced within the ICC codes and the Americans with Disabilities Act.

Dimensions: Metal stud walls are dimensioned to face of metal stud, unless noted otherwise. Masonry walls are dimensioned to face of masonry.

Special Inspections: An Owner-provided, AHJ approved Independent Agency will provide Special Inspections of the following Architectural Components:

Per IBC Sec 1705.12.5 (in Seismic Design Category D, E, or F):

- Erection and Fastening of:
 - Interior Nonbearing Walls
 - Interior Veneer

Per Section 1705.14:

- Sprayed Fire-resistant Materials

Per Section 1705.15:

- Mastic and Intumescent Fire-Resistant Coatings applied to structural elements and decks

Deferred Submittals:

- Fire Alarm
- Seismic Restraints for Equipment (Mechanical, Plumbing, Electrical)
- Guards and Handrails

Specifications: Refer to the specifications for descriptions of products, materials and systems. The terms "SEE SPECS," "RE: SPECS" or similar references to the specifications have been omitted from drawing notes, but the requirement is still the same, to refer to the technical specifications for descriptions, installation requirements and other requirements as described therein.

Symbols: Where symbols and legends are used to indicate a product or system, provide those items in the quantity indicated by the symbol. Where plumbing fixtures, equipment, light fixtures and other similar products are shown on Architectural drawings, refer to the appropriate discipline drawings for type, utilities and other requirements.

Details: Terms such as "see specs," "re: mechanical" and so forth have been omitted from these details. All details require the general contractor and sub-contractors to refer to other drawings and specifications as required to understand and provide the items indicated and to provide supporting items that may or may not be shown.

The continuous nature of the materials shown in the details is inferred, though the word "continuous" may be omitted from the detail notes.

Masonry: Bulbouse Corners: Provide bulbouse corners on outside corners. Typical at all interior masonry walls. Interior Masonry Hidden from View: Provide masonry units of same quality and color where hidden from view by objects that can change (e.g. cabinets, tackboards, whiteboards, etc.). Masonry above ceilings and hidden from view may, with the Architect's approval incorporate factory seconds and/or other colors provided structural integrity of the walls is not compromised.

PROJECT GENERAL TI NOTES

Attachment to Steel Deck:

Do not use steel deck that doesn't have concrete fill to support loads from plumbing, fire sprinklers, HVAC ducts, light fixtures, architectural elements or equipment of any kind, unless specifically noted otherwise. Lightweight acoustical ceilings with a total weight per wire not exceeding 50 pounds may be hung from the steel roof deck. Stagger hangers to distribute the load over multiple deck flutes.

Steel deck with concrete fill may be used to support loads of up to 500 pounds from plumbing, fire sprinklers, HVAC ducts, light fixtures, architectural elements and miscellaneous equipment. Distribute loads such that the average load does not exceed 50 lbs/sq.ft. and not more than 500 pounds is located on any single deck flute span between support beams. Attachments to steel deck with concrete fill shall engage the concrete, and shall be approved for use in cracked concrete.

Attachment to Open Web Steel Joists and Girders:

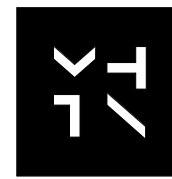
All concentrated loads greater than 100 pounds and not meeting the requirements of the paragraph below shall be located within 6 inches of the joist or girder panel points or the joist or girder shall be reinforced with an additional web member. Refer to the general structural notes and the "typical detail at additional concentrated point load" on the structural drawings.

Concentrated point loads, single or multiple, totaling 100 pounds or less between panel points can be located at any point along the top or bottom chord of a joist or girder between adjacent panel points without meeting the requirements of the paragraph above, provided the loads are applied to the joist such that both angles of the bottom chord are equally loaded (i.e. no single beam clamps).

Joist bridging shall not be used to support hanging loads.

Bracing of miscellaneous items including mechanical, plumbing, conduit, architectural elements, etc. shall connect to the top chord of the joist or girder unless noted otherwise on the structural drawings.

Attachment to Steel Beams: Bracing for seismic loads shall attach within 4" of the top flange of the beam, unless noted otherwise.



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J.E. COSGRIFF

MEMORIAL CATHOLIC REMODEL

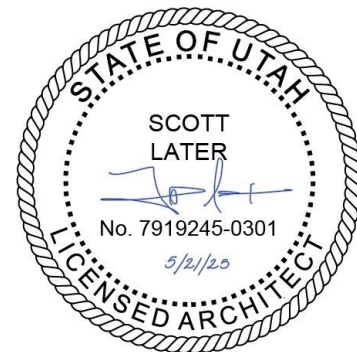
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SEAL



MHTN PROJECT NO 2024579

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NO.	DATE	DESCRIPTION

ISSUE
CONSTRUCTION DOCUMENTS
MAY 21, 2025

SHEET NAME
INDEX SHEET

Original drawing is 30 x 42. Do not scale contents of this drawing.
SHEET NUMBER

G001

ARCHITECTURE

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SALT LAKE CITY, UT 84104
PHONE: 801.466.1699

MECHANICAL

OLSEN & PETERSON
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SALT LAKE CITY, UT 84115
PHONE: 801.486.4646

ELECTRICAL

RESOLUT
181 EAST 5600 SOUTH
MURRAY, UT 84107
PHONE: 801.530.3148

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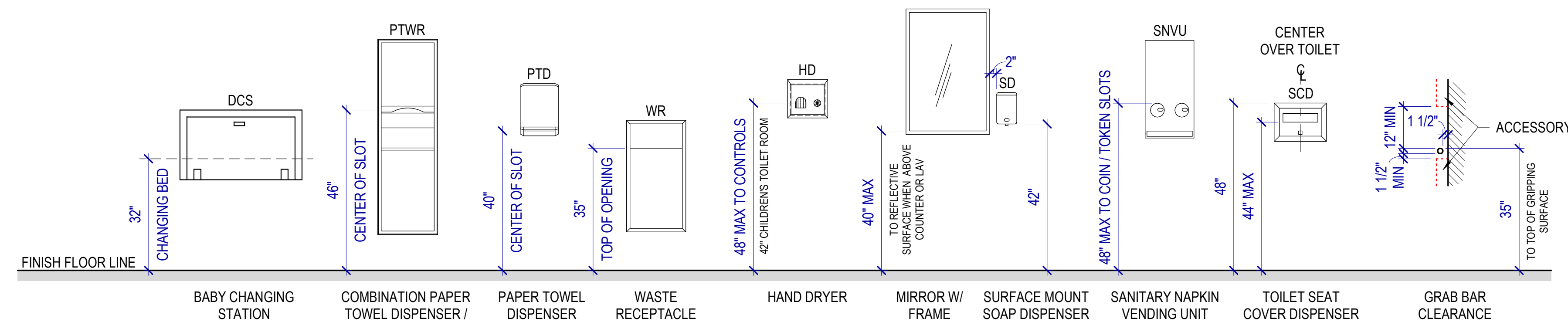
A

B

C

D

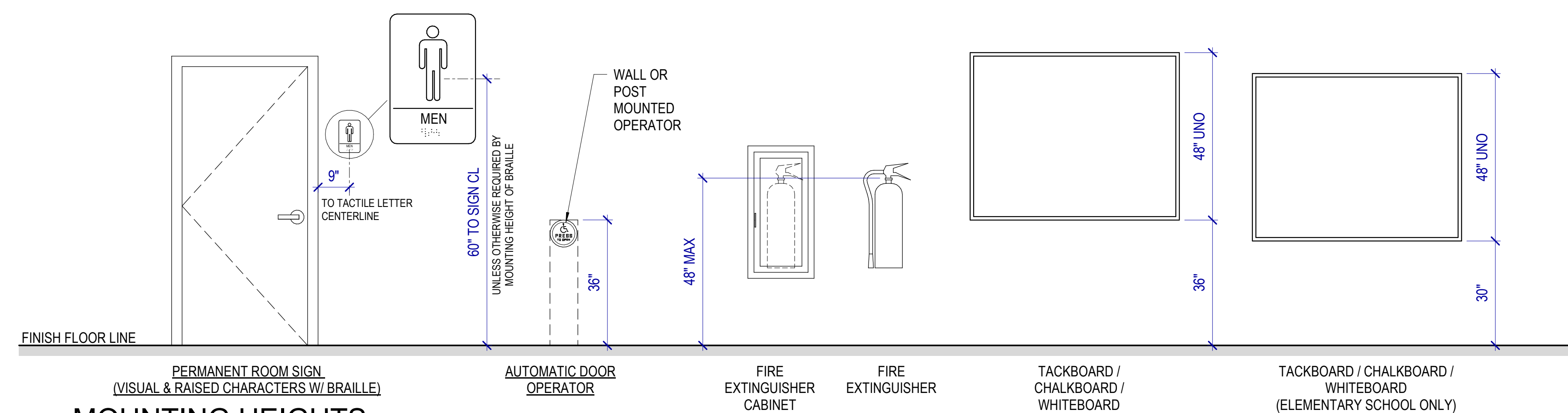
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TOILET ROOM EQUIPMENT

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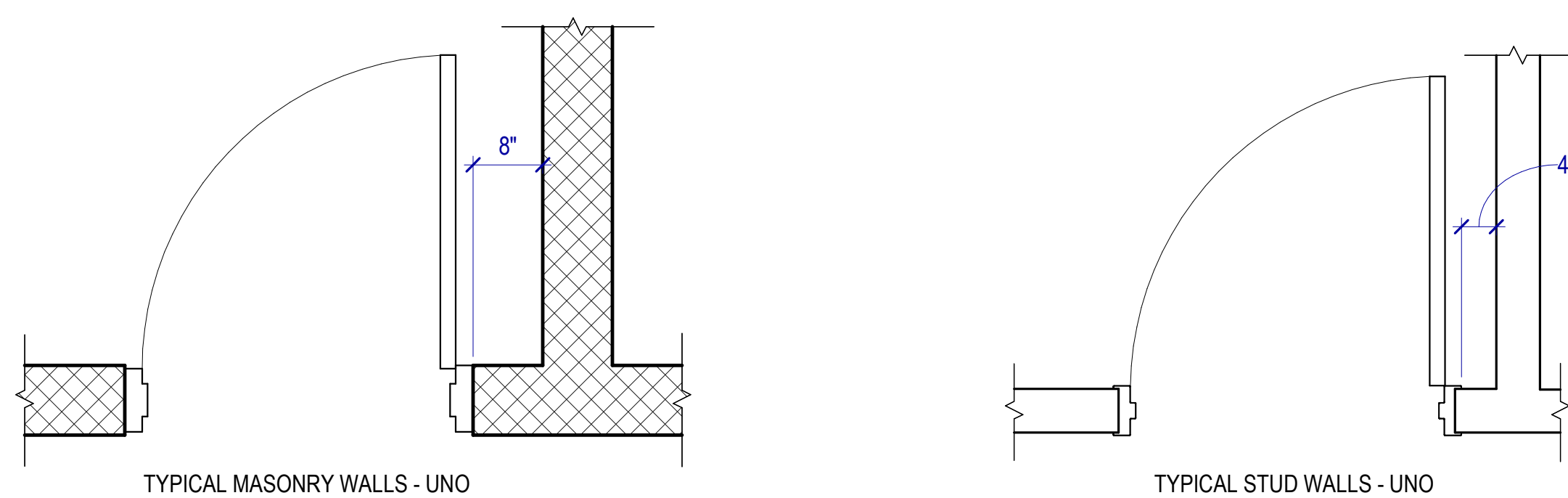
G200



MOUNTING HEIGHTS

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G200



DOOR PLACEMENT

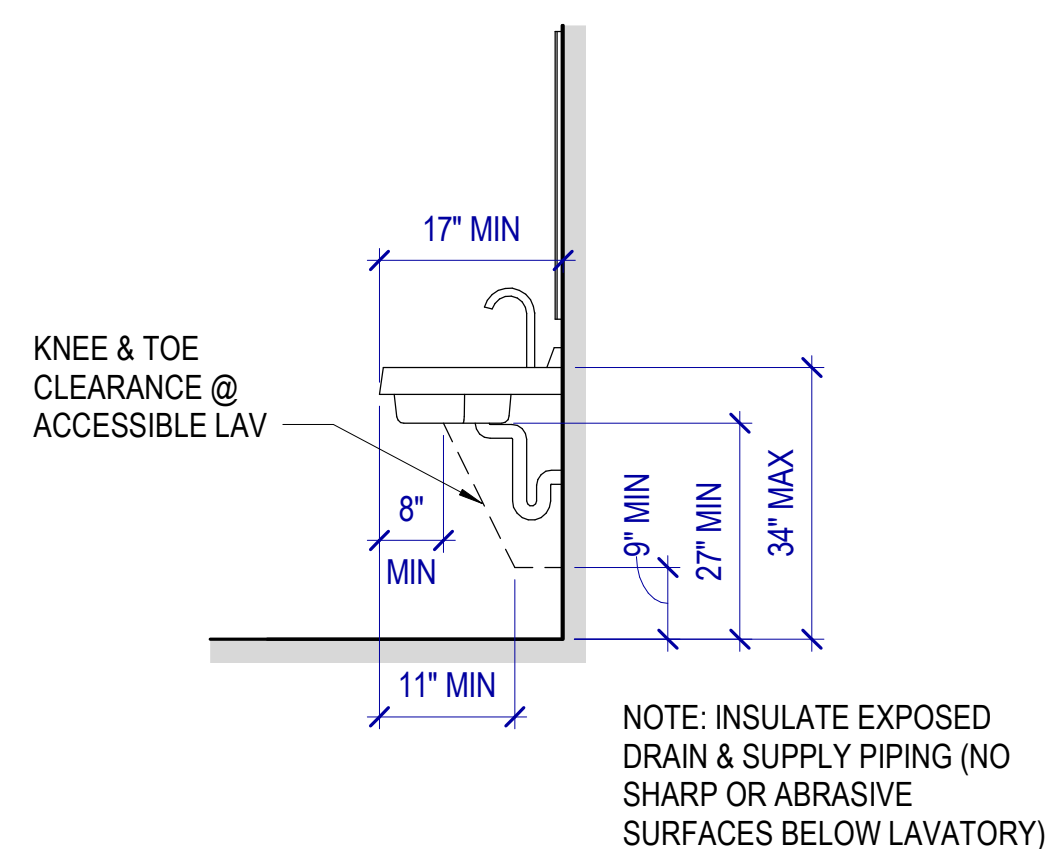
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DOOR PLACEMENT

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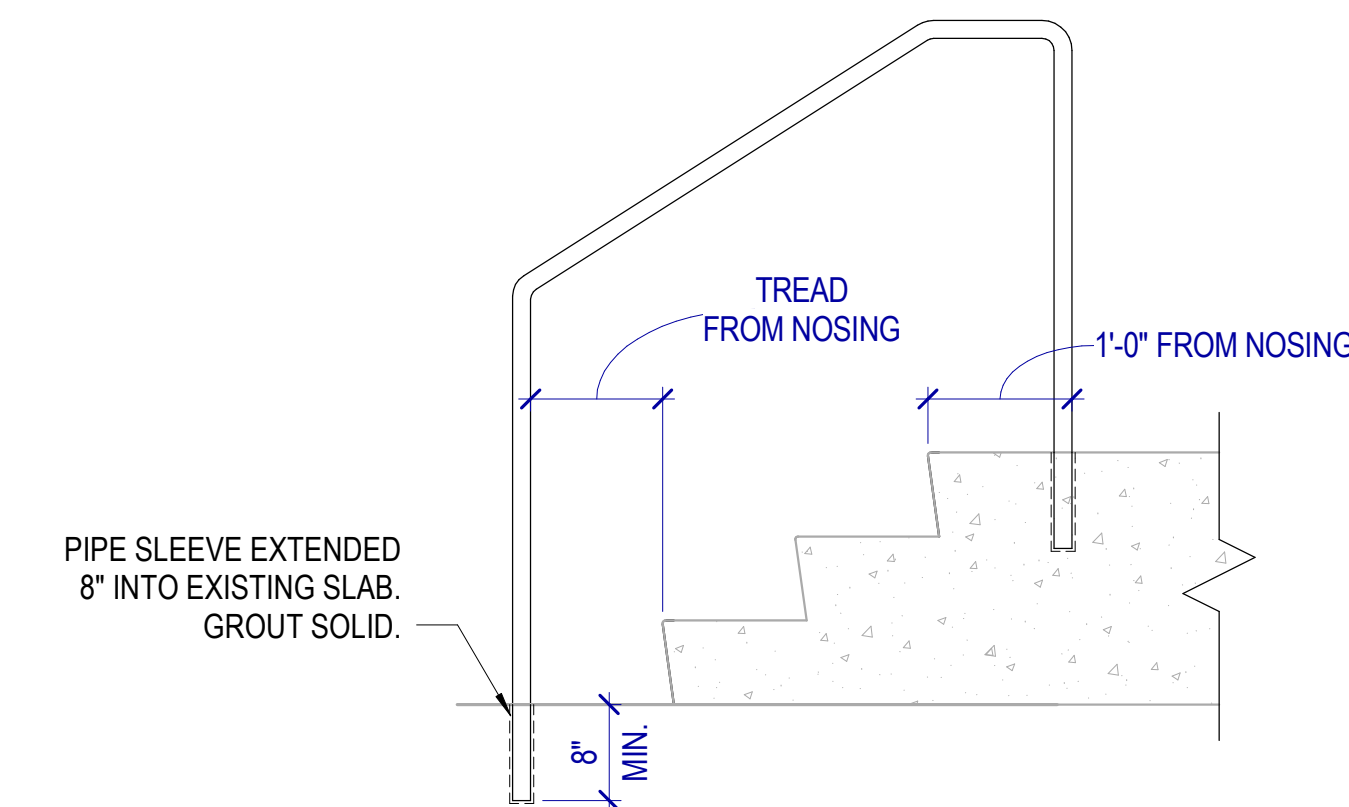
ACCESSIBLE PARALLEL SINK

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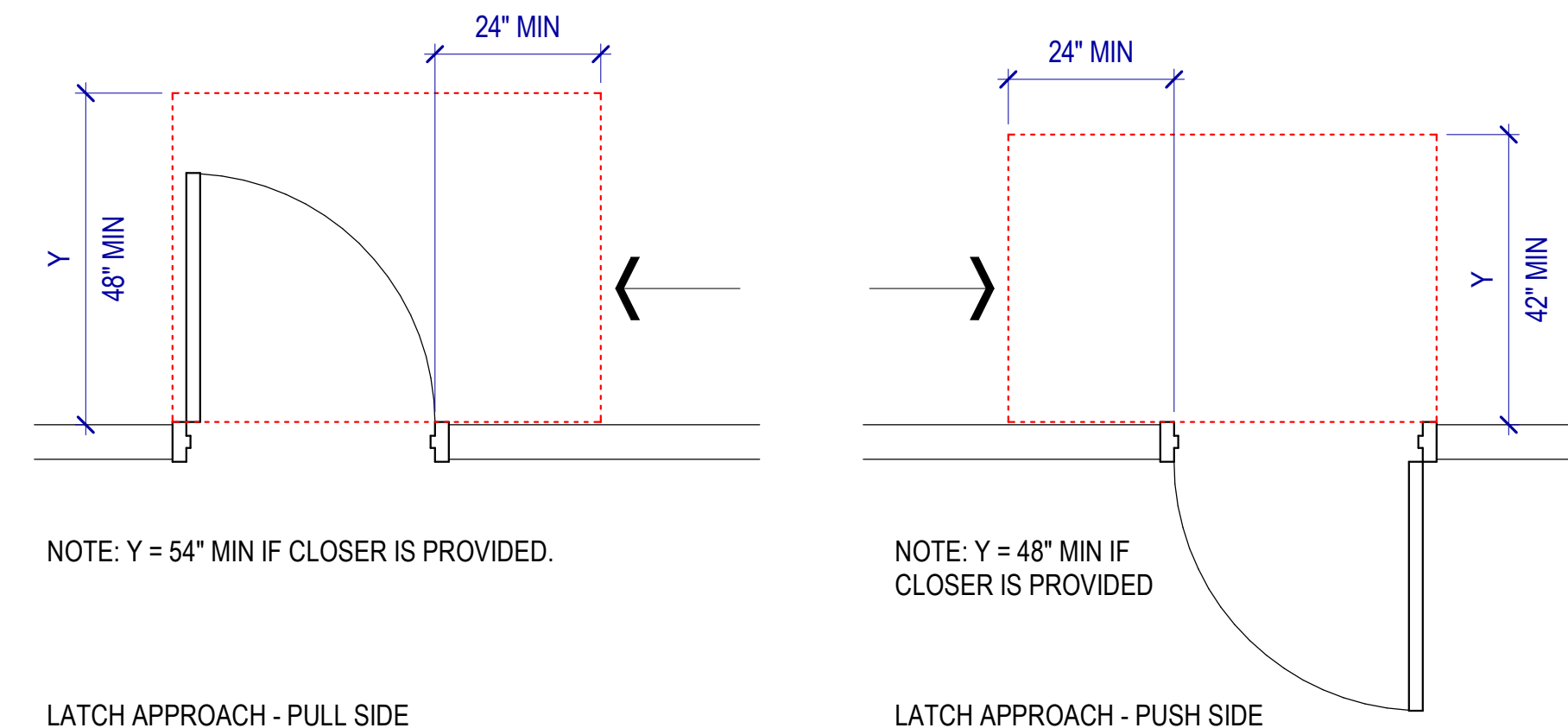
LAVATORY MOUNTING HEIGHT

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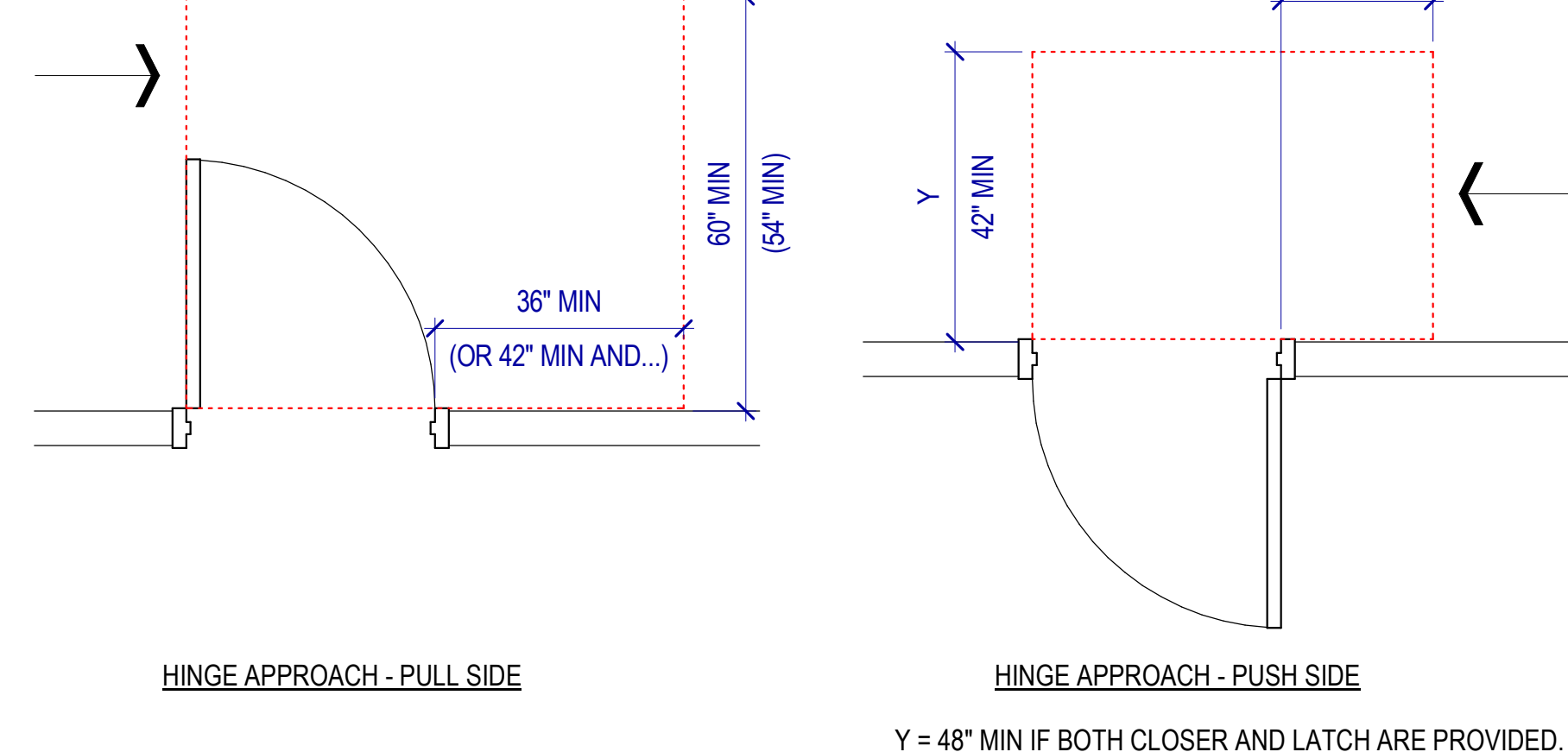
BOTTOM OF STAIR DETAIL

SCALE: 3/4" = 1'-0"



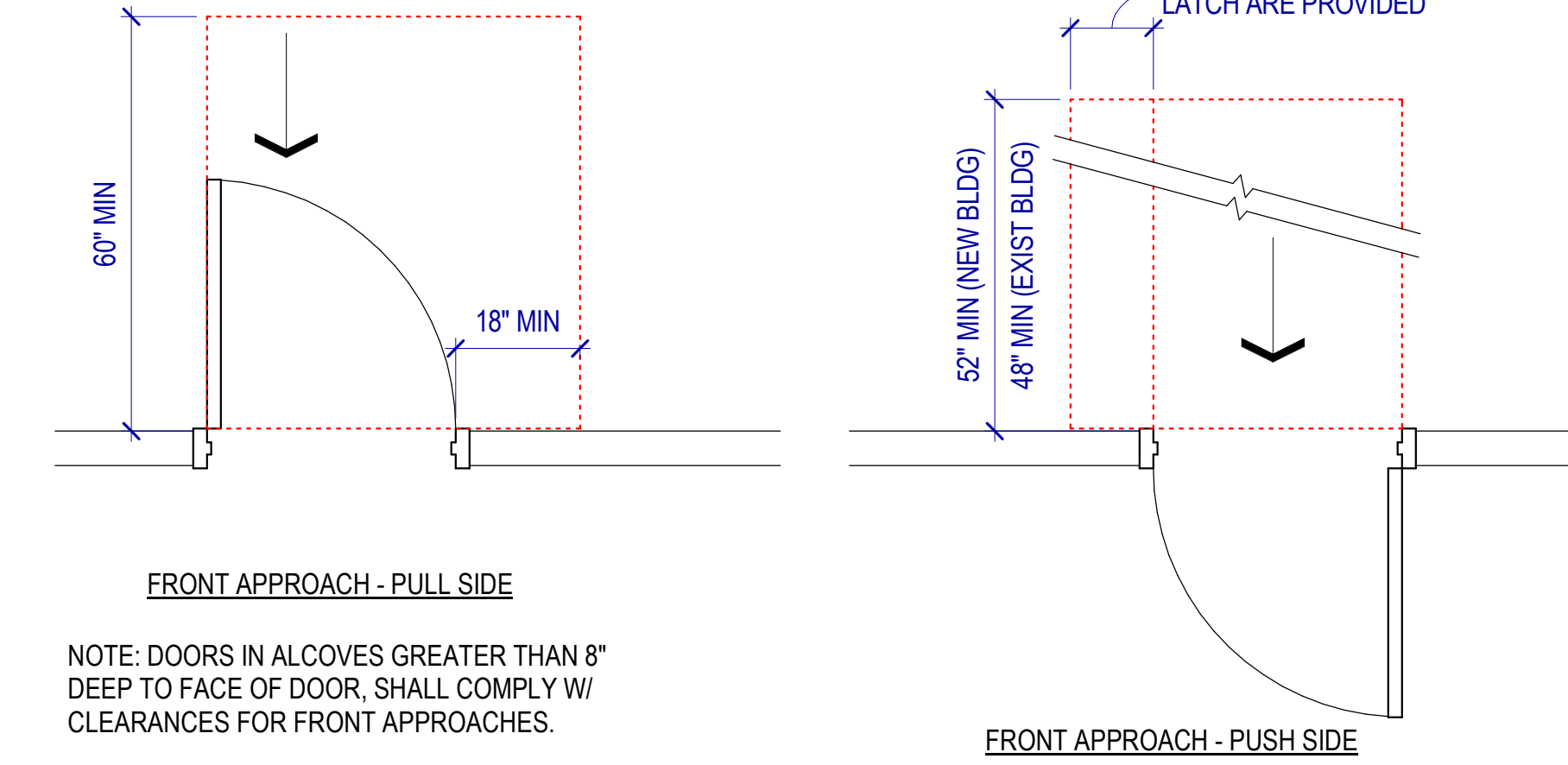
MANEUVERING CLEARANCES @ MANUAL DOORS

SCALE: 1/2" = 1'-0"



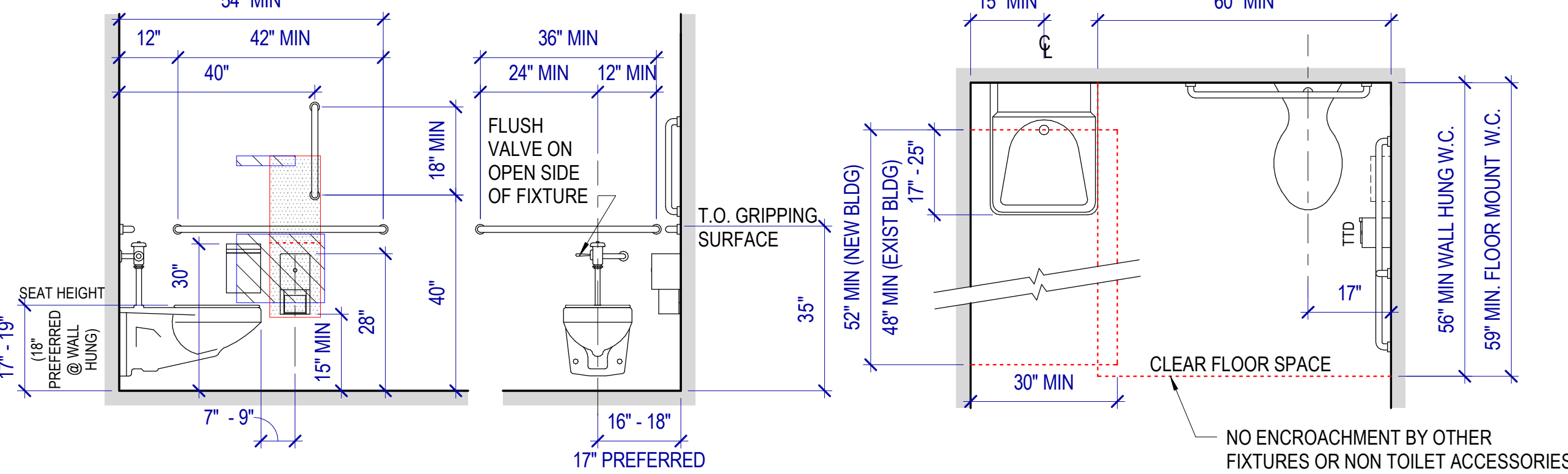
HINGE SIDE APPROACHES @ SWINGING DOORS

SCALE: 1/2" = 1'-0"



FRONT APPROACHES @ SWINGING DOORS

SCALE: 1/2" = 1'-0"



ACCESSIBLE STALL MTG HEIGHTS

SCALE: 1/2" = 1'-0"

TOILET ROOM PLAN

SCALE: 1/2" = 1'-0"

MOUNTING HEIGHTS & CLEARANCES GENERAL NOTES

Diagrams on this sheet incorporate the ADA Standard, 2010 edition and ICC/ANSI A117.1, 2009 edition requirements for accessibility. The most restrictive requirement is shown where the two standards differ.

The purpose of this sheet is to provide general clearance, size and mounting height dimensions. If other drawings provide different information, that doesn't violate the accessibility standards, that information shall govern, however, nothing shown herein shall supersede the requirement of the standards listed above, nor of the IBC.

Prior to installation, coordinate toilet and bath accessory mounting heights with manufacturer's recommended heights and adjust as required to comply with ADA & ANSI requirements.

Where the accessibility standards indicate ranges of dimensions, or minimum or maximum dimensions, the dimensions on this sheet have been modified to indicate the preferred or the most restrictive of the dimensions. Where it is impractical to comply with a dimension, the dimension may be adjusted after review with the Architect and, provided the proposed change does not violate the accessibility standards.

Dimensions shown herein indicate face of wall, floor, ceiling and other building elements.

MHTN ARCHITECTS

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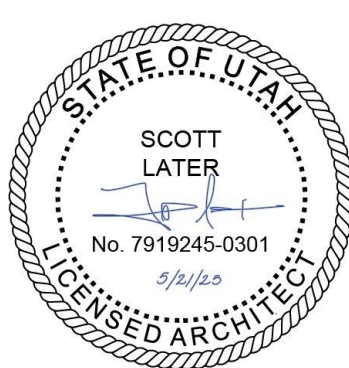
J.E. COSGRIFF

MEMORIAL CATHOLIC REMODEL

2335 REDONDO AVE
SALT LAKE CITY, UT 84108

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MHTN PROJECT NO. 2024579

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NO. DATE DESCRIPTION

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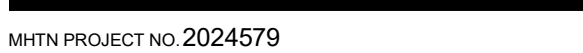
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REVISIONS

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CONSTRUCTION DOCUMENTS

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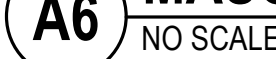
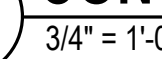
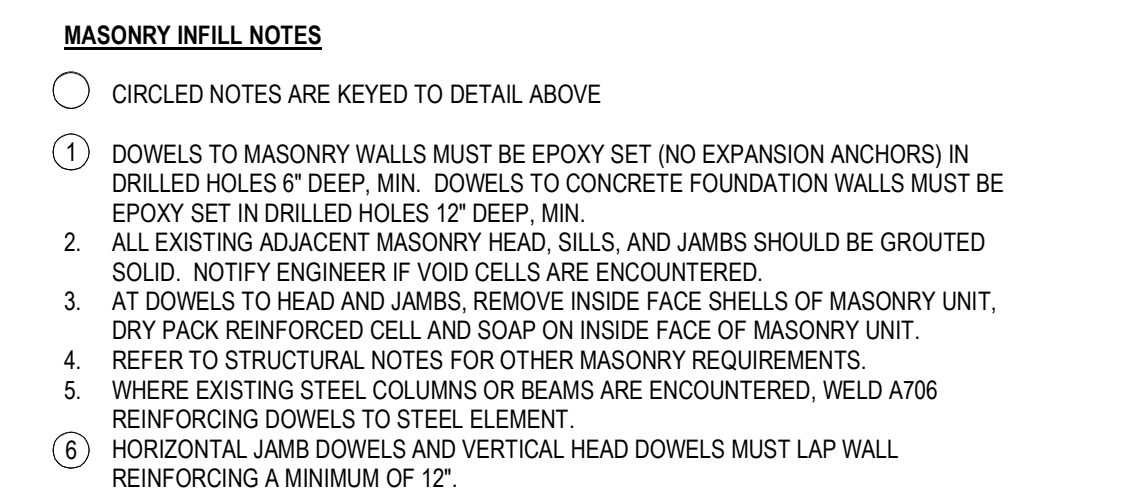
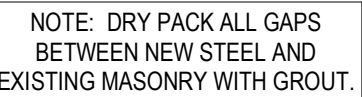
STRUCTURAL DETAILS

DETAILS

SHEET NUMBER

S501

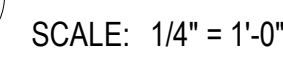
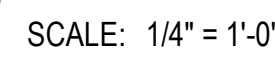
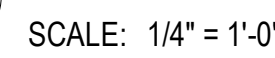
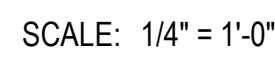
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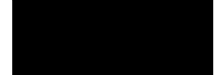



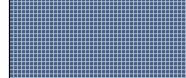





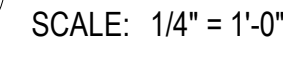
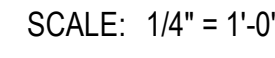
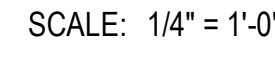
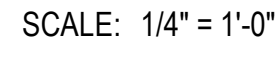
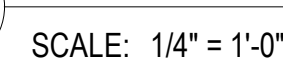
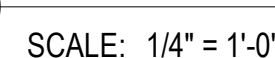
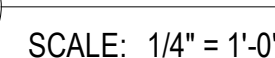
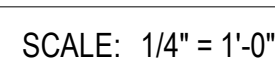
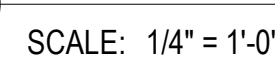
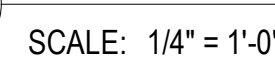
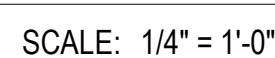
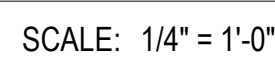
Verify that existing equipment that is to remain, to be salvaged or to be re-installed, is in working condition.
Provide written documentation to the Owner for any items that are not in working condition before beginning work in the area.

NOTE: WHERE WALLS, CEILINGS AND OTHER ITEMS ARE SHOWN WITH DASHED LINES, WHETHER KEYNOTED OR NOT, REMOVE THESE ITEMS TO THE EXTENT INDICATED AND AS REQUIRED BY NEW CONSTRUCTION.

Autodesk Docs://2024579 JE Cosgriff Remodel/A24 2024579 JE Cosgriff Remodel.rvt
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	GLAZING		TV
	PLASTIC LAMINATE, PL1		COAT HOOK
	MOSAIC TILE, FT2		
	CERAMIC TILE, WT1		
	CERAMIC TILE, WT2		
	TACKABLE WALLCOVERING, TCK		
	MARKERBOARD, OFC1		



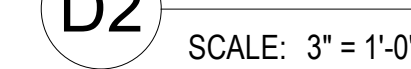


D1



SCALE: 3" = 1'-0"

C2 SCALE: 3" = 1'-0"



E2 SCALE: 3" = 1'-0"

C3

C3 SCALE: 3" = 1'-0"



E3 SCALE: 3" = 1'-0"

A

A600

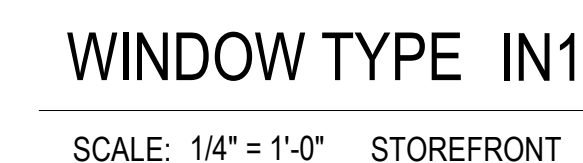
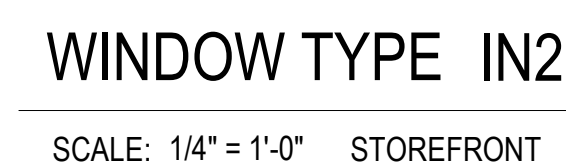
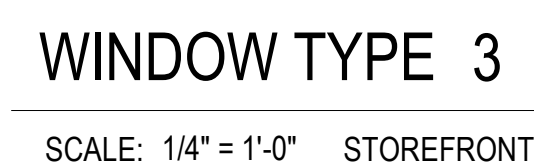
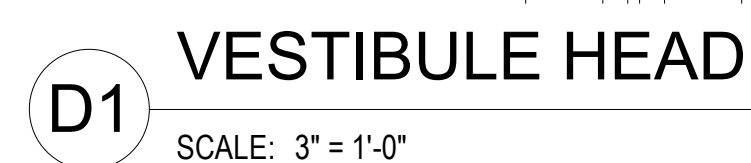


WINDOW TYPES GENERAL NOTES

Window Frames: Frames are aluminum storefront, UNO. Finish as specified.

End Dams: Provide end dams at sill flashing.

Coordination: Coordinate all trades to provide complete systems, including, b
glazing, sealants, flashing, brake metal and backing.




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Original drawing is 30 x 42. Do not scale contents of this drawing.

REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECTED
LAST REVISION DATE.

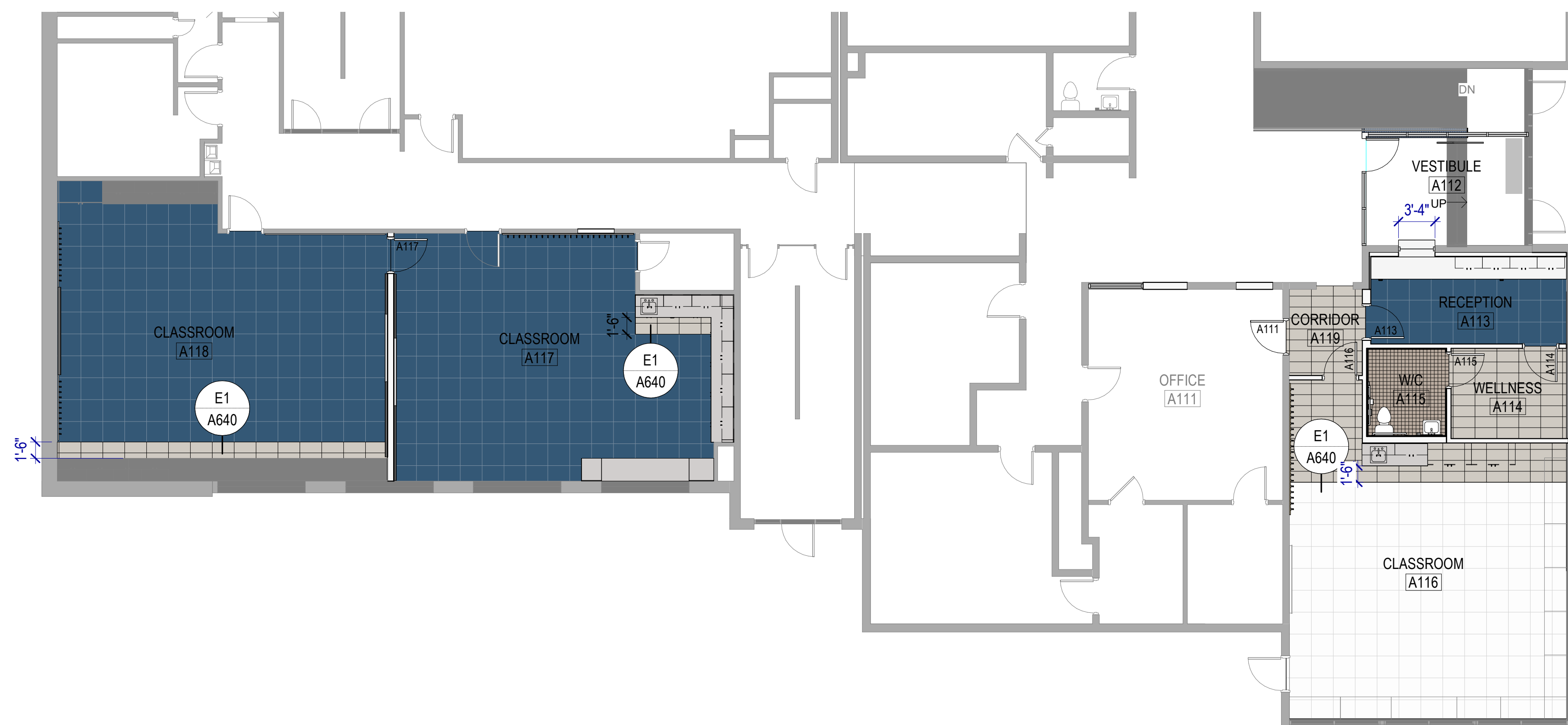
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ISSUE
CONSTRUCTION DOCUMENTS
MAY 21, 2025

WINDOW TYPES & DETAILS

SHEET NUMBER

A620



PATTERN PLAN GENERAL NOTES

RE: A640 for the Finish Schedule

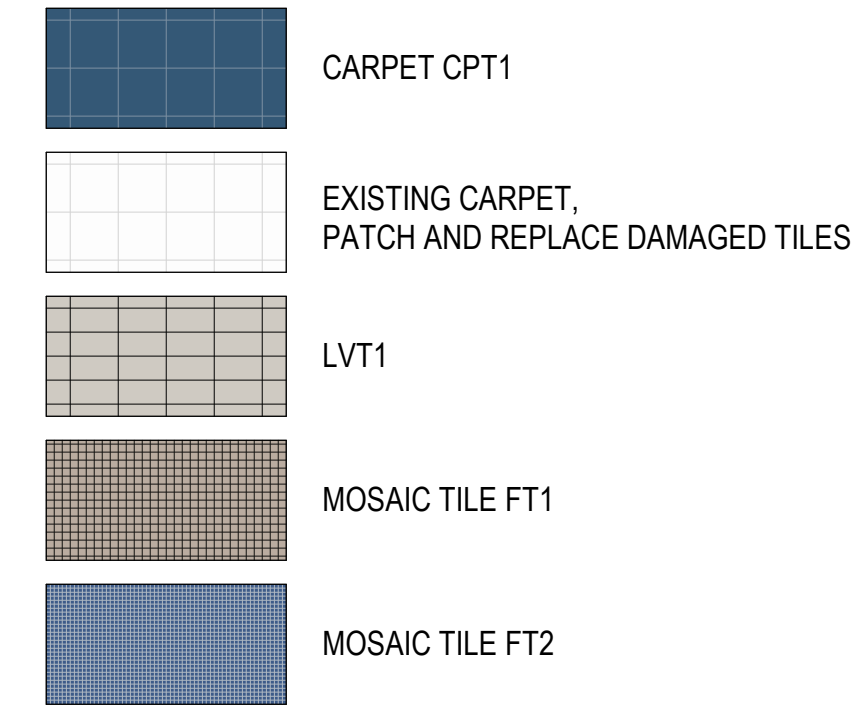
RE: A640 for typical floor finish transition details

RE: Structural drawings for recessed slabs.

Floor Finish Transitions at Doors: Locate floor finish material transitions that occur at doors under the center of the door, UNO.

Floor Drains: Coordinate location of floor drains with Plumbing drawings.

LEGEND - FLOOR PATTERN



MHTN Architects, Inc.
280 South 400 West
Suite 250
Salt Lake City, Utah 84101
Telephone (801) 595-6700
www.mhtn.com

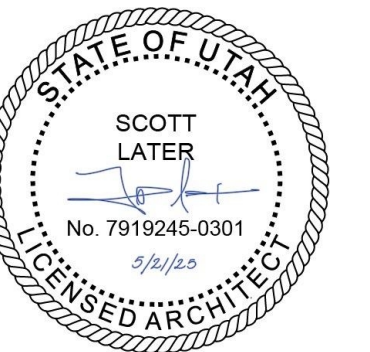
J.E. COSGRIFF

MEMORIAL CATHOLIC REMODEL

2335 REDONDO AVE
SALT LAKE CITY, UT 84108

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NO.△	DATE	DESCRIPTION
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ISSUE
CONSTRUCTION DOCUMENTS

CONSTRUCTION DOCUMENTS
MAY 31, 2025

SHEET NAME
FIRST FLOOR

FIRST FLOOR

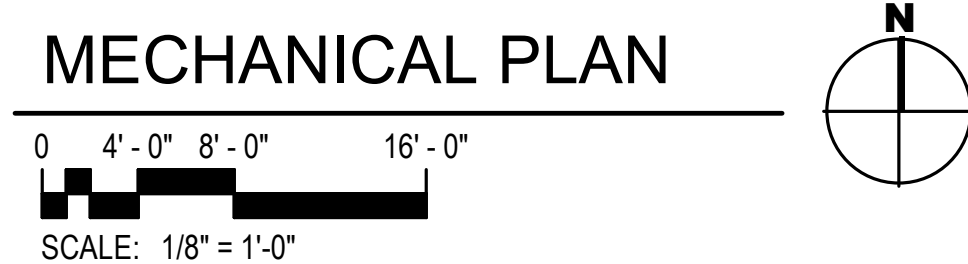
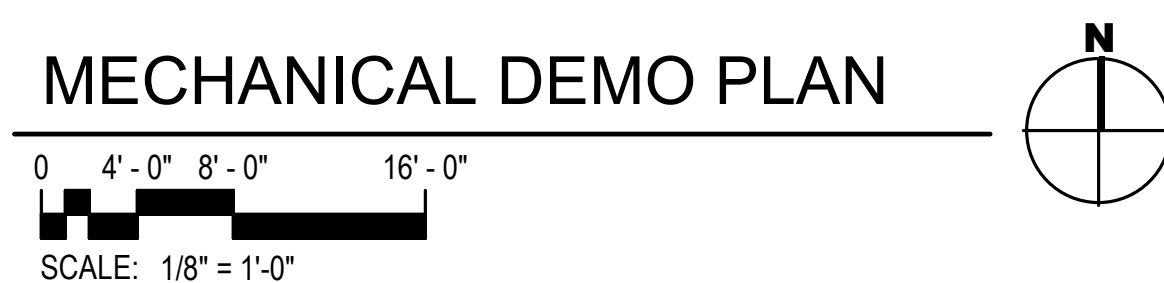
PATTERN PLAN

SHEET NUMBER

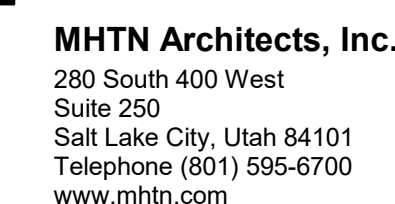
ACF1

A65

References

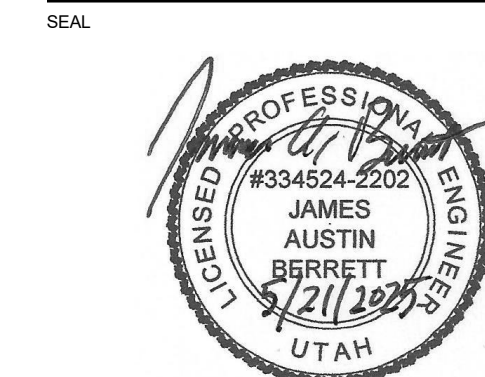


- 1 RE-INSTALL EXISTING PNEUMATIC THERMOSTAT. RUN
NEW PNEUMATIC TUBING FROM EXISTING A/C AIR LINE
TO THERMOSTAT.
- 2 CONNECT EXHAUST DUCTWORK TO EXISTING DUCT
THRU ROOF.
- 3 REMOVE EXISTING GRILLE OR DIFFUSER. STORE IN A
SAFE PLACE FOR RE-INSTALLATION INTO NEW CEILING
SYSTEM.
- 4 REINSTALL DIFFUSER INTO NEW CEILING SYSTEM AND
RE-BALANCE TO CFM SHOWN.
- 5 REINSTALL GRILLE INTO NEW CEILING SYSTEM.
- 6 REMOVE EXISTING PNEUMATIC THERMOSTAT AND
STORE IN A SAFE PLACE FOR REINSTALLATION. CAP
PNEUMATIC TUBING.
- 7 REMOVE EXISTING CEILING FAN.
- 8 REMOVE SIDEWALL EXHAUST FAN, LEAVING EXISTING
DUCTWORK IN PLACE.
- 9 FLEXIBLE DUCTWORK (TYPICAL).
- 10 DUCTWORK CONTINUES TO A FURNACE.
- 11 EXISTING EQUIPMENT TO REMAIN.
- 12 EXISTING DUCTWORK TO REMAIN.
- 13 EXISTING THERMOSTAT TO REMAIN.
- 14 PIPES UP THROUGH ROOF TO AC-1 (ON-ROOF).
- 15 WALL MOUNTED, HARD WIRED, HEATING & COOLING
THERMOSTAT.



2335 REDONDO AVE
SALT LAKE CITY, UT 84108

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MHTN PROJECT NO. 2024579

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REVISIONS
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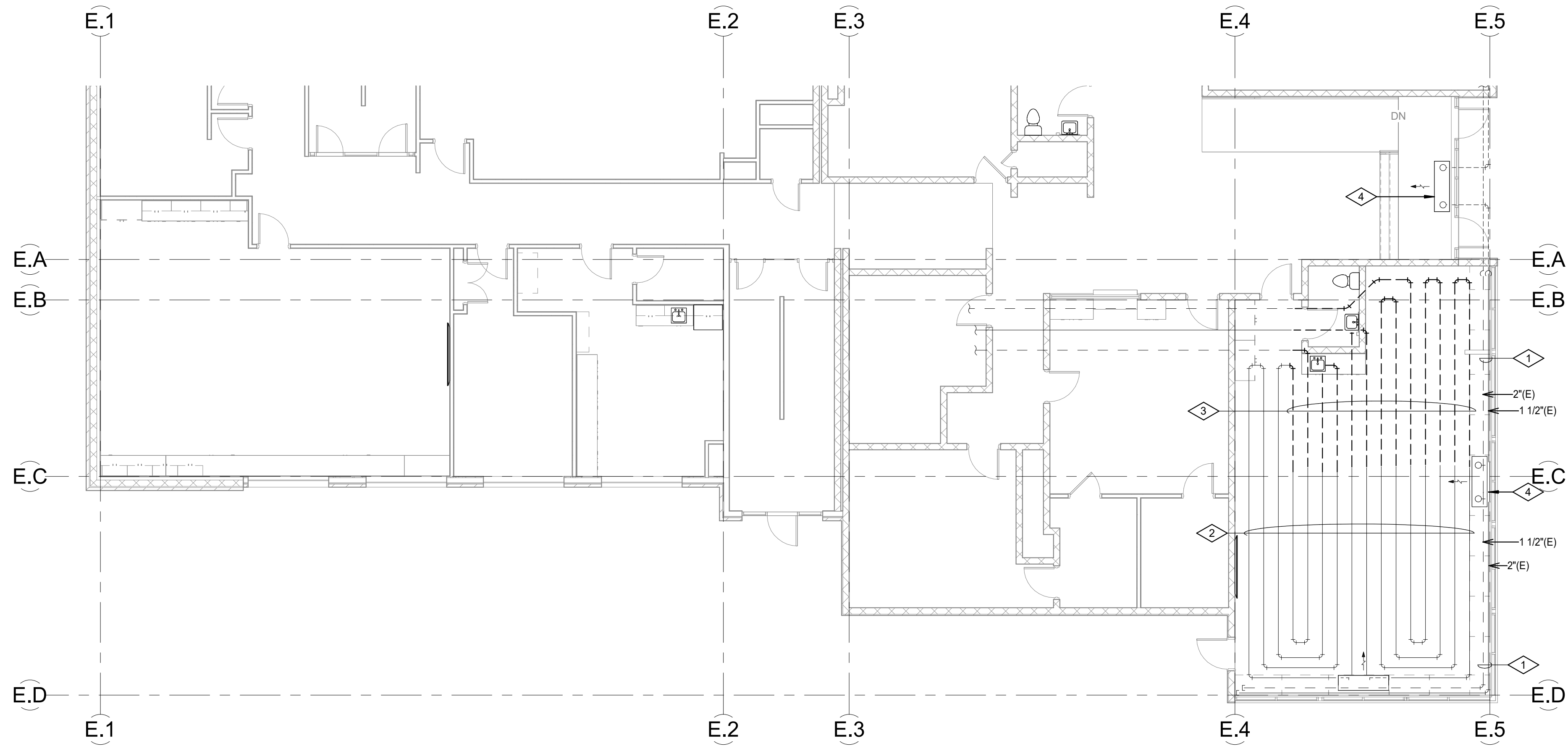
ISSUE
CONSTRUCTION DOCUMENTS
MAY 21, 2025

SHEET NAME
**MECHANICAL
PLAN**

SHEET NUMBER

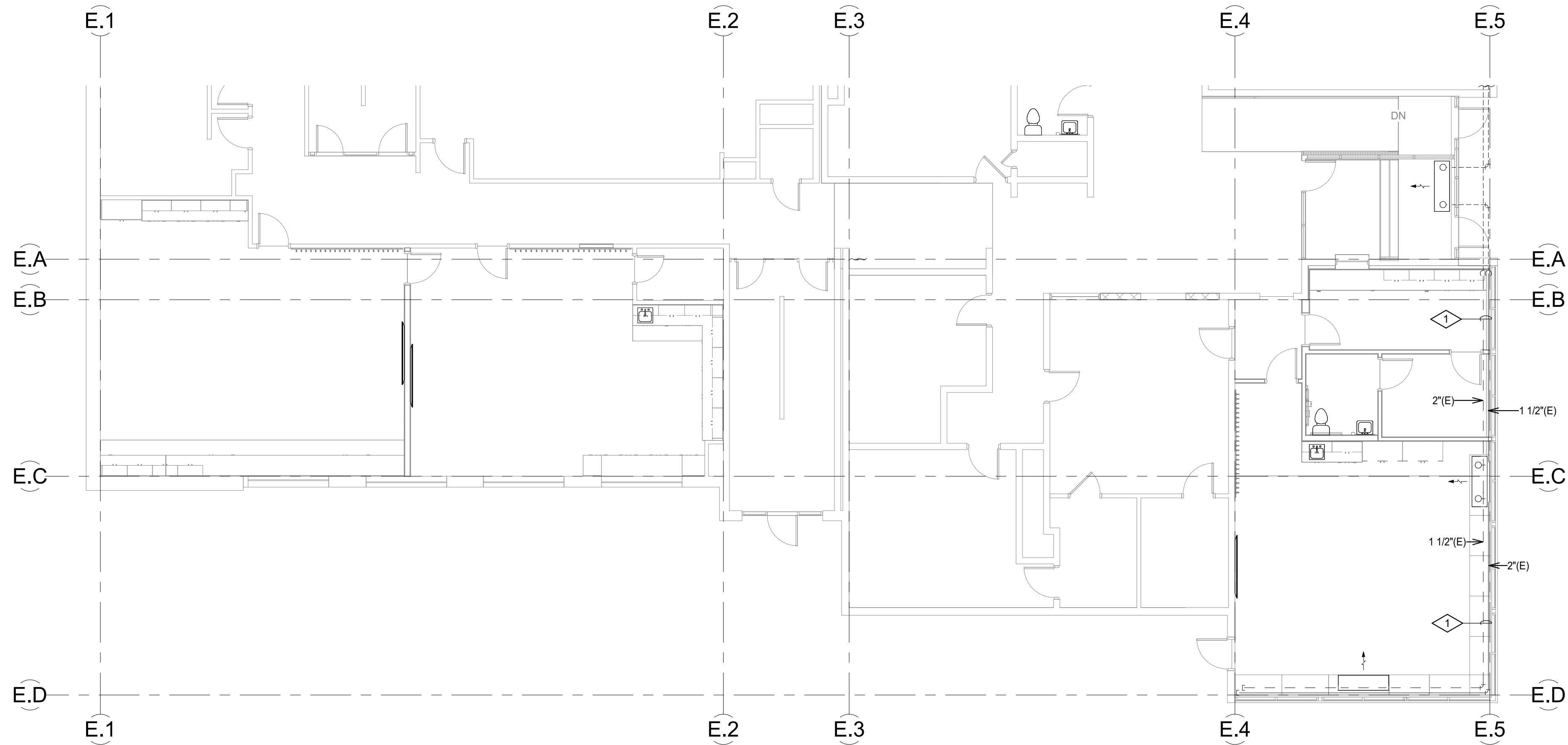
M101

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LEVEL 1 OVERALL MECHANICAL PIPING DEMO PLAN

0 4' - 0" 8' - 0" 16' - 0"
SCALE: 1/8" = 1'-0"



LEVEL 1 OVERALL MECHANICAL PIPING PLAN

0 4' - 0" 8' - 0" 16' - 0"
SCALE: 1/8" = 1'-0"

REFERENCE NOTES

- EXISTING MECHANICAL PIPING IN CHASE IN MILLWORK ABOVE FINISHED FLOOR TO REMAIN.
- EXISTING ABANDONED IN FLOOR HEATING SYSTEM.
- FIELD VERIFY UNDERFLOOR HEAT TUBING IS NOT IN USE, AND REMOVE AS NEEDED.
- EXISTING HOT WATER CABINET UNIT HEATER TO REMAIN.

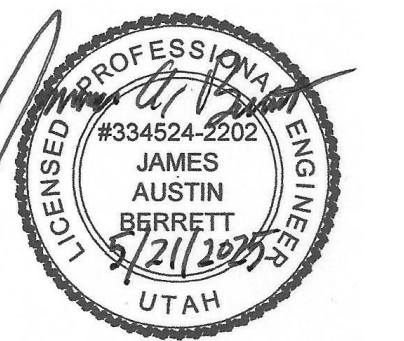


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J.E. COSGRIFF
MEMORIAL CATHOLIC REMODEL
2335 REDONDO AVE
SALT LAKE CITY, UT 84108

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SEAL



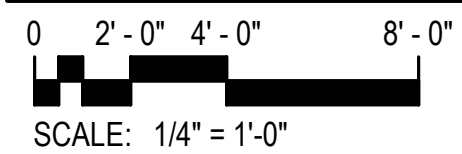
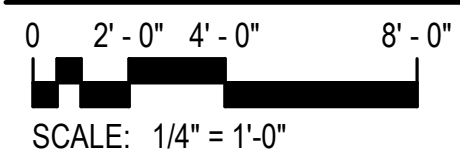
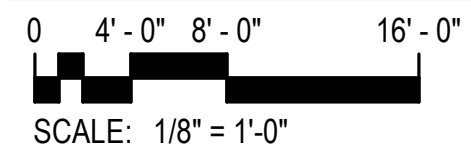
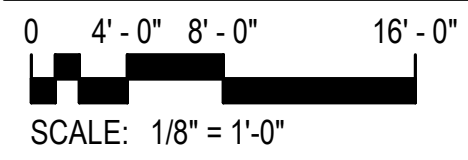
MHTN PROJECT NO. 2024579

Original drawing is 30 x 42. Do not scale contents of this drawing.

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LAST REVISION DATE

NO. DATE DESCRIPTION



- REFERENCE NOTES

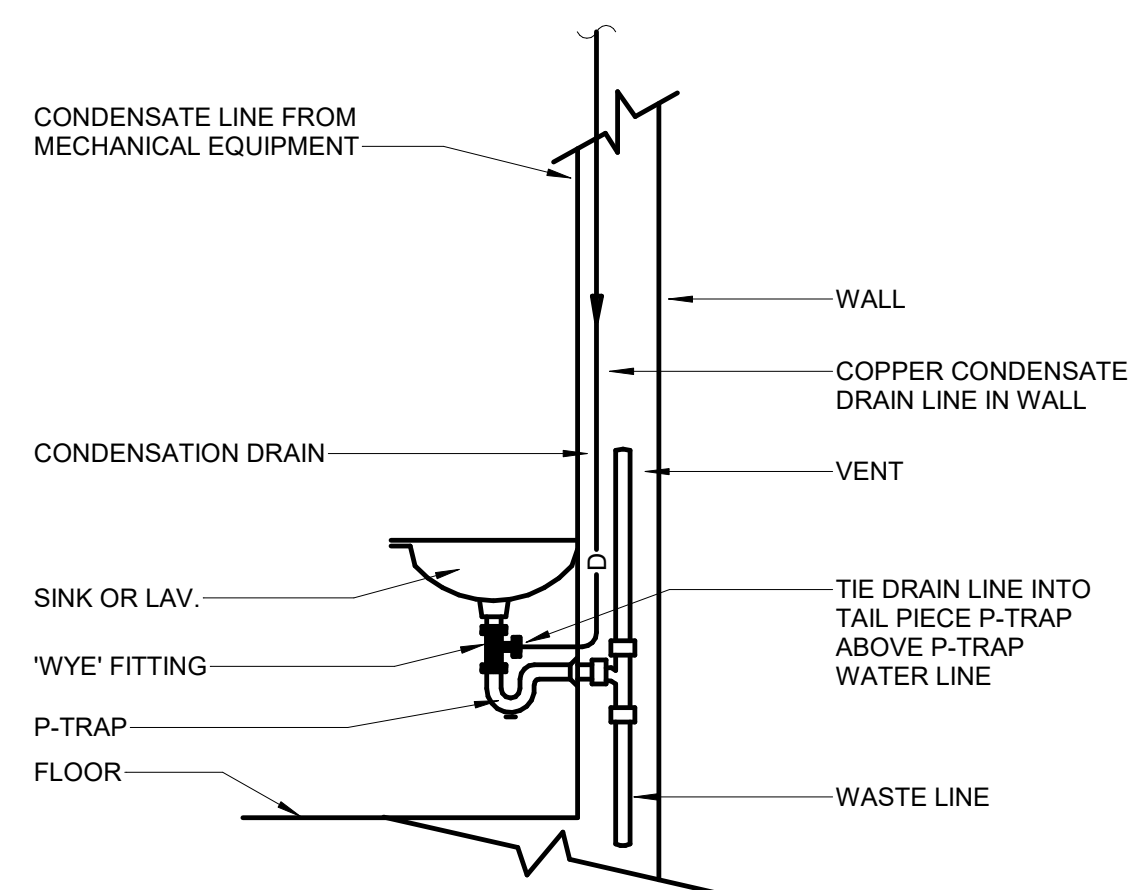
- 1 PIPING RISE FROM FLOOR BELOW.
- 2 PIPING TO RUN UNDERFLOOR.
- 3 CONNECT TO EXISTING PIPING AT APPROXIMATELY THIS LOCATION.
- 4 CONNECT NEW VENT PIPING TO EXISTING VENT THRU ROOF.
- 5 REMOVE EXISTING DISHWASHER AND SUPPLY PIPING INTO WALL.
- 6 REMOVE EXISTING SINK AND SUPPLY PIPING INTO WALL.
- 7 REMOVE EXISTING FRIDGE AND SUPPLY PIPING INTO WALL.
- 8 PROVIDE NEW HOT AND WATER LINES TO NEW SINK FROM EXISTING PIPING IN WALL.
- 9 EXISTING PIPING TO REMAIN.
- 10 LINE SIZE BALL VALVE. VALVE MUST BE ACCESSIBLE (TYP).
- 11 CALIBRATED BALANCING VALVE. CALIBRATE TO 0.5 GPM.
- 12 3/4" CONDENSATE DRAIN DOWN TO L-1. SEE DETAIL 414P01.
- 13 EXISTING VTR TO REMAIN. COORDINATE WITH NEW WORK.
- 14 REMOVE EXISTING FIXTURE AND RELATED PIPING COMPLETE. CAP PIPING AT MAINS.

PLUMBING FIXTURE SCHEDULE						
SYMBOL	FIXTURE	WASTE	VENT	C.W.	H.W.	NOTES
	WATER CLOSET	4"	2"	1"	--	FLOOR MOUNTED - SENSOR FLUSH VALVE (ADA)
	LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	WALL MOUNTED - SENSOR FAUCET WITH TEMPERING VALVE
	SINK	1-1/2"	1-1/2"	1/2"	1/2"	COUNTER MOUNTED
	FLOOR DRAIN	2"	1-1/2"	--	--	WIDESEAL TRAP AND ASSE TRAP GUARD

PLUMBING LEGEND

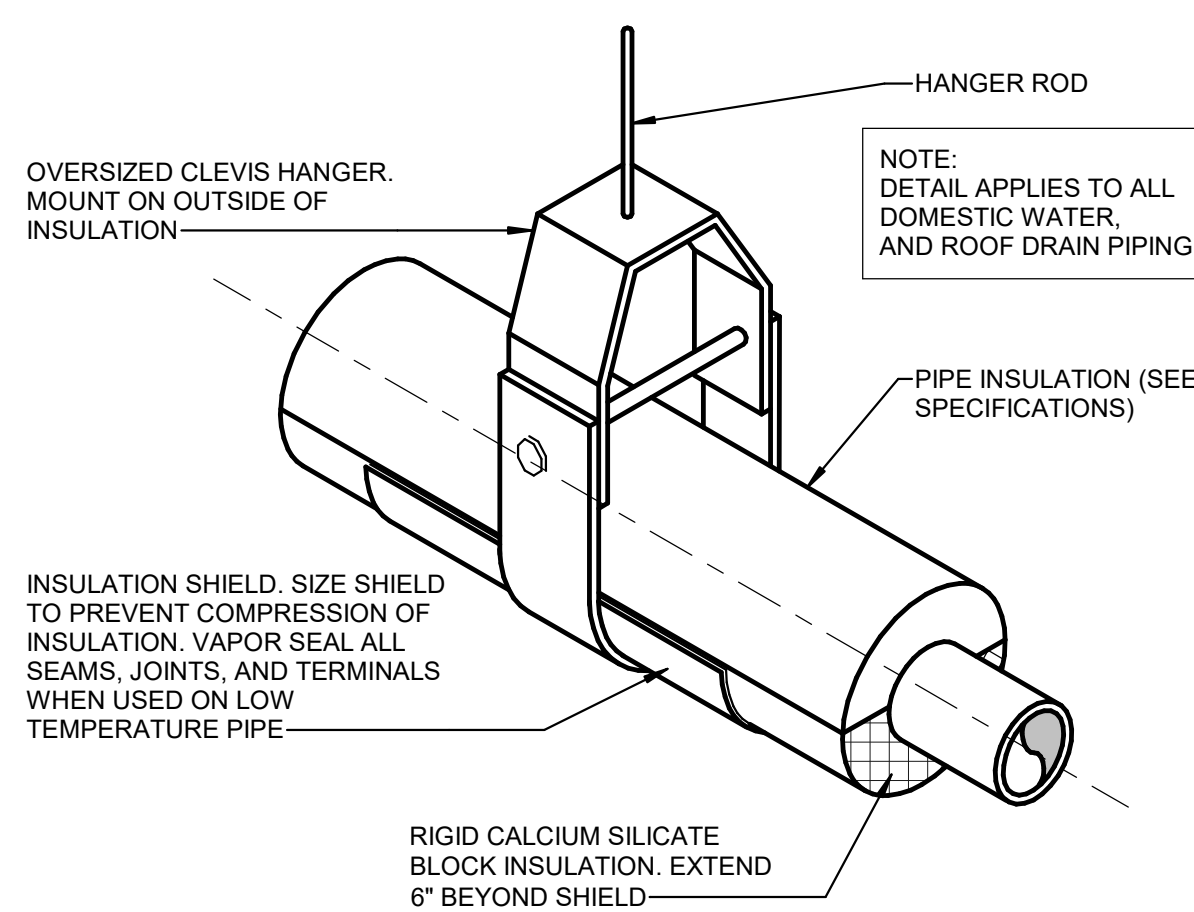
The diagram illustrates the placement of various plumbing components on a horizontal line. The components and their symbols are as follows:

- COLD WATER**: Represented by a solid horizontal line.
- HOT WATER**: Represented by a dashed horizontal line.
- HOT WATER RE-CIRC**: Represented by a horizontal line with a small circle in the middle.
- DRAIN PIPING**: Represented by a horizontal line with a small circle at the end.
- WASTE PIPING**: Represented by a horizontal line with a small circle at the end.
- BALL VALVE**: Represented by a horizontal line with a small circle in the middle.
- UNION**: Represented by a horizontal line with a small circle in the middle.
- CHECK VALVE**: Represented by a horizontal line with a small circle in the middle.
- CALIBRATED BALANCING VALVE**: Represented by a horizontal line with a small circle in the middle.
- PIPING DROP**: Represented by a horizontal line with a small circle in the middle.
- PIPING RISE**: Represented by a horizontal line with a small circle in the middle.
- FLOOR CLEANOUT**: Represented by a horizontal line with a small circle in the middle.
- WALL CLEANOUT**: Represented by a horizontal line with a small circle in the middle.



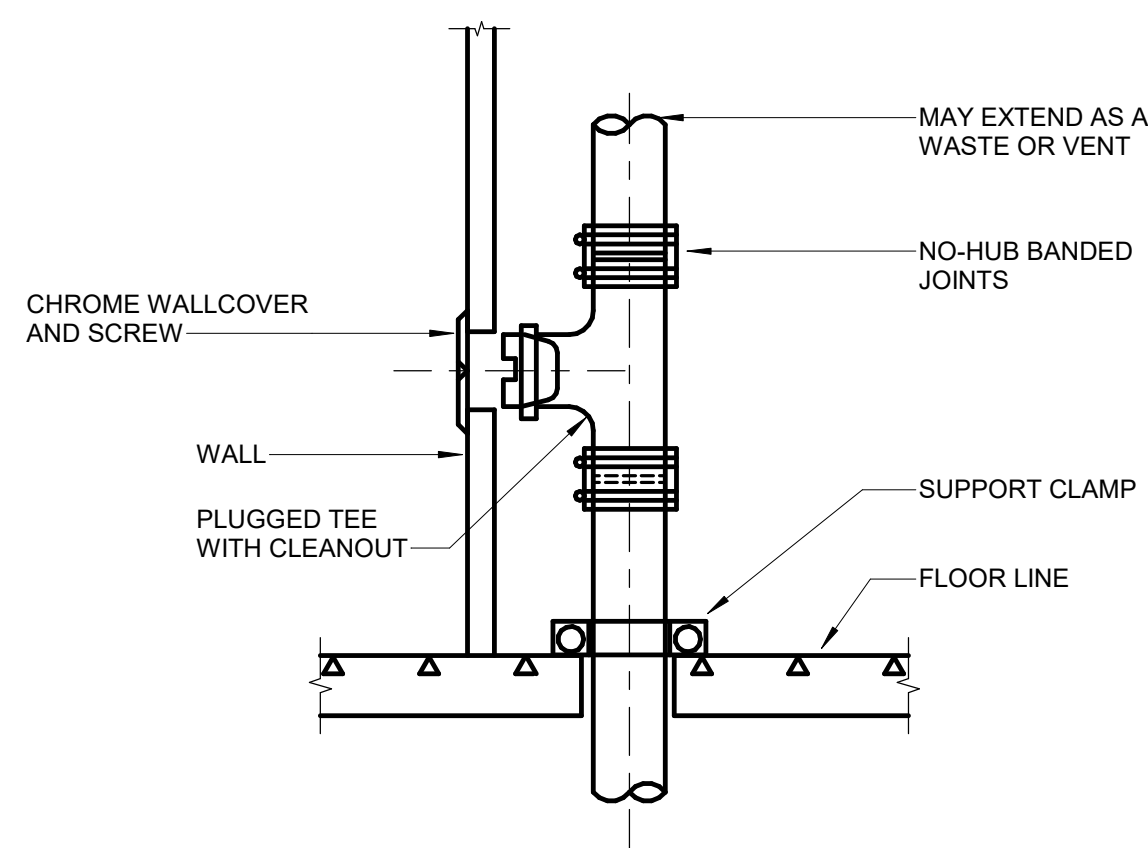
CONDENSATE DRAIN DETAIL

SCALE: NTS



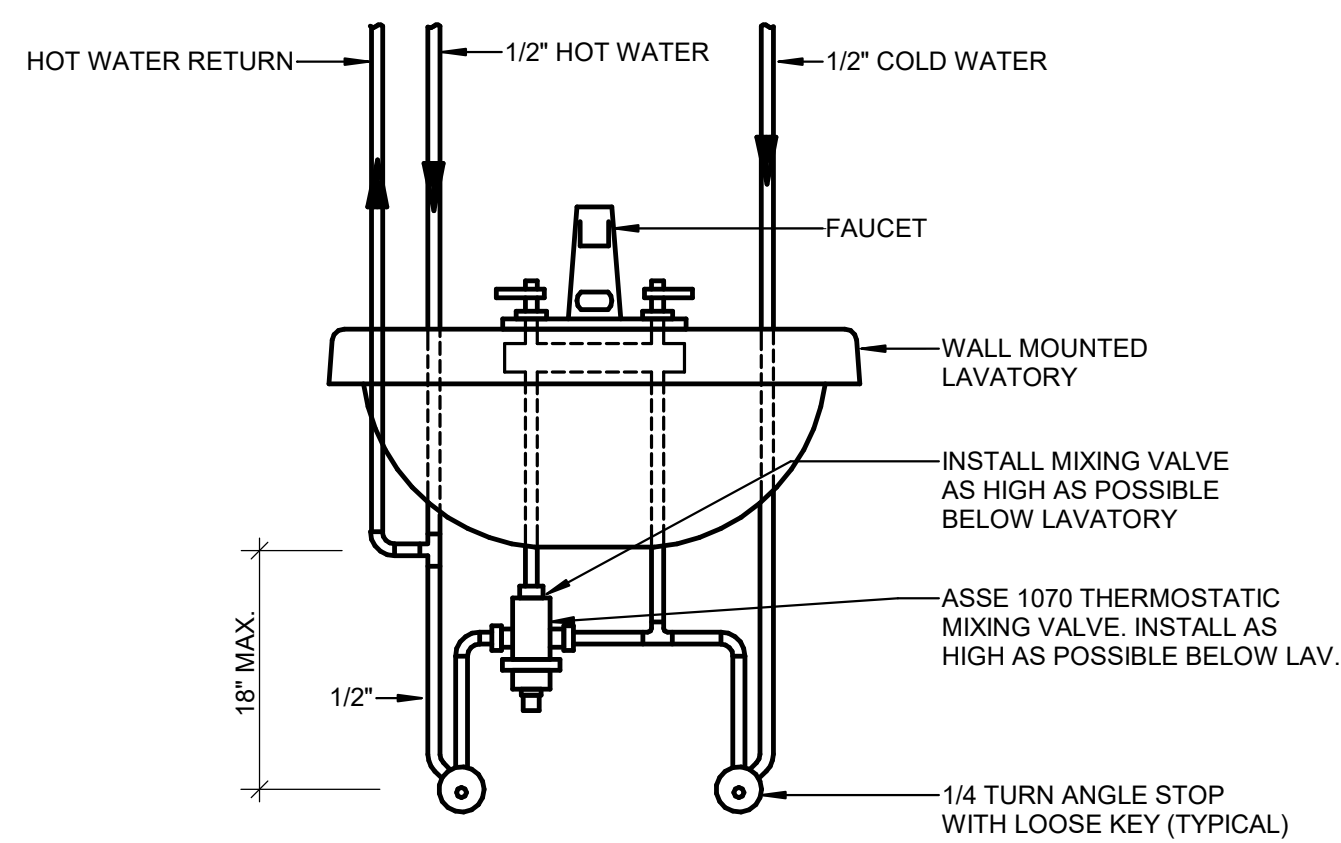
PIPE SUPPORT DETAIL (PLUMBING)

SCALE: NTS



WALL CLEANOUT DETAIL

SCALE: NTS



PUBLIC LAVATORY PIPING DETAIL

SCALE: NTS

SECURITY									
[SCH]	IP SURVEILLANCE CAMERA - SEE CAMERA SURVEILLANCE TYPE SCHEDULE.	AS NOTED	9, 10, 12.	[DH]	MAGNETIC DOOR HOLD OPENER	AS NOTED	8, 12.		
[NVR]	NETWORK VIDEO RECORDER / SERVER		12.	[DS]	ELECTRIFIED DOOR STRIKE	DOOR JAMB	8, 12.		
[DC]	ACCESS CONTROL DOOR / WINDOW SWITCH / CONTACT		12.	[DP]	INTRUSION DETECTION DOOR / WINDOW CONTACT	DOOR JAMB	8, 12.		
[DC]	SPECIALIZED SWITCH / CONTACT (GARAGE DOOR, ROOF ACCESS DOOR / HATCH)		11, 12.	[EL]	ELECTRIFIED DOOR LOCK	DOOR JAMB	8, 12.		
[DC]	DR-DOOR RELEASE, LD+LOCKDOWN, PE+PUSH TO EXIT, T=TRANSMITTER, R=RECEIVER, H=HARDWIRED		12.	[RX]	ACCESS CONTROL REQUEST TO EXIT MOTION		8, 12.		
[MD]	INTRUSION MOTION DETECTOR		12.	[EC]	ELECTRIFIED EXIT RIM DEVICE (CRASH BAR)		8, 12.		
[GB]	SOLID = WALL MOUNTED, DASHED = CEILING		12.	[CR]	ACCESS CONTROL CREDENTIAL CARD READER	+46"	1, 12.		
[AS]	GLASS BREAK DETECTOR		12.	[BR]	ACCESS CONTROL BIOMETRIC READER	+46"	1, 12.		
[AS]	SOLID = WALL MOUNTED, DASHED = CEILING		12.	[KS]	KEY OVERRIDE SWITCH	+46"	1, 12.		
[P]	INTRUSION DETECTION ALARM SIREN AND/OR STROBE		12.	[CR]	INTEGRATED LOCKSET WITH CREDENTIAL CARD READER		8, 12.		
[IP]	INTRUSION DETECTION POP-IT MODULE		12.	[KCR]	ACCESS CONTROL CREDENTIAL CARD READER WITH KEYPAD	+46"	1, 12.		
[INT]	IP TWO-WAY AUDIO & VIDEO INTERCOM (ANSWERING BASE STATION & DOOR STATION)		12.	[WS]	SECURITY WORKSTATION		12.		
[INT]	ELECTROMAGNETIC LOCK (MAG LOCK)		8, 12.	[ACS]	ACCESS CONTROL PANEL		12.		
[SC]	SMOKE & C/O DETECTOR COMBO		12.	[IDS]	INTRUSION DETECTION PANEL		12.		
[SC]	SOLID = WALL MOUNTED, DASHED = CEILING		12.	[PSP]	POWER SUPPLY PANEL FOR ELECTRIFIED DOOR HARDWARE EQUIPMENT		12.		
[SH]	SMOKE & HEAT DETECTOR COMBO		12.		EQUIPMENT RACK / CABINET	AS NOTED	18. SEE SPEC.		
[SH]	SOLID = WALL MOUNTED, DASHED = CEILING		12.		EQUIPMENT 4-POST RACK / CABINET	AS NOTED	18. SEE SPEC.		
[VP]	VAPE SENSOR	CEILING	12.		EQUIPMENT 2-POST RACK	AS NOTED	18. SEE SPEC.		
[X]	ADA ACTUATOR / WAVE								
[XX]	DR-DOOR RELEASE, LD+LOCKDOWN, PE+PUSH TO EXIT, DB+DURESS / PANIC, T=TRANSMITTER, R=RECEIVER, H=HARDWIRED								
AUDIOVISUAL									
[HDU]	HDMI INPUT, WALL PLATE WITH HUBBELL HBL260 JUNCTION BOX, SINGLE GANG MUDRING	+18" OR AS NOTED	2, 9.	[RH]	HDBaseT, HDMI INPUT RECEIVER, WALL PLATE WITH HUBBELL HBL260 J-BOX, SINGLE GANG MUDRING	BEHIND DISPLAY	2.		
[HW]	HDMI AND VGA INPUT, WALL PLATE WITH HUBBELL HBL260 JUNCTION BOX, DOUBLE GANG MUDRING	+18" OR AS NOTED	2, 9.	[SP]	LOUDSPEAKER, CEILING RECESSED OR PENDANT	CEILING			
[Tdt]	HDBaseT, HDMI INPUT TRANSMITTER, WALL PLATE WITH HUBBELL HBL260 J-BOX, SINGLE GANG MUDRING	+18" OR AS NOTED	2, 9.	[SSP]	SOUND BAR, REFER TO SPECIFICATIONS FOR TYPE	UNDER DISPLAY	2, 19.		
[Tdt]	HDBaseT, HDMI AND VGA TRANSMITTER, WALL PLATE WITH HUBBELL HBL260 J-BOX, DOUBLE GANG MUDRING	+18" OR AS NOTED	2, 9.	[DM]	COMMERCIAL GRADE DISPLAY, # = SIZE (INCHES)	UNDER DISPLAY	20.		
[Tdt]	HDBaseT, HDMI, DISPLAY PORT AND/OR VGA TRANSMIT, SURFACE MOUNTED UNDER MILLWORK/FURNITURE	+18" OR AS NOTED	9.	[SCR]	PROJECTION SCREEN, REFER TO SPECIFICATIONS / DRAWINGS FOR SCREEN TYPE AND SIZE	WALL OR CEILING	2.		
[Tdt]	HDBaseT CATEGORY 6A S/UTP, WALL PLATE WITH HUBBELL HBL 260 J-BOX, SINGLE GANG MUDRING	+18" OR AS NOTED	2, 9.	[PJ]	COMMERCIAL GRADE PROJECTOR	WALL OR CEILING	2.		
COLOR LEGEND									
	LIGHTING FIXTURES				POWER DEVICES				AUDIOVISUAL
	LIGHTING DEVICES				TELECOMMUNICATIONS				SECURITY
	POWER EQUIPMENT				FIRE ALARM				NURSECALL
	CABLE TRAY				CONDUIT				

EXISTING SYSTEMS INFORMATION AND VENDOR CONTRACTS (INCLUDE WITHIN BID)

BIDDING DIVISION 26 CONTRACTOR RESPONSIBLE FOR EXPANDING EXISTING SYSTEMS FOR THIS REMODEL PROJECT. PROVIDE A TURN-KEY SOLUTION AND BUILD-OUT FOR ALL IMPACTED SYSTEMS I.E. INTERCOM, FIRE ALARM, ACCESS CONTROL, AND INTRUSION.

CLASSROOM AV SYSTEM AUDIO ENHANCEMENT SYSTEM

COMPANY	DEVON MEANS
CONTACT	
CELL PHONE NO.	(801) 916-1392
OFFICE PHONE NO.	(800) 383-9362
EMAIL	Devon.Means@audioenhancement.com

ATTENTION ELECTRICAL CONTRACTOR: COORDINATE ALL BIDDING, INSTALLATION, AND SETUP OF OWNER-FURNISHED OR SPECIFIED AV SYSTEM COMPONENTS. PROVIDE SHOP DRAWINGS OF THE COMPLETE AV SYSTEM FOR ENGINEER REVIEW AND APPROVAL.\$

FIRE ALARM SYSTEM - EXISTING MIRCOM-FX-351 FIRE ALARM SYSTEM

COMPANY	POWERED CONTROL SYSTEMS (PCS)
CONTACT	NELSON POWERS
CELL PHONE NO.	(801) 916-6710
OFFICE PHONE NO.	(801) 576-6634
EMAIL	nelson@poweredcontrolsyste.ms.com

EXTEND EXISTING FIRE ALARM INTIATION/NOTIFICATION CIRCUITS TO ACCOMMODATE NEW FIRE ALARM DEVICES AS REQUIRED. MATCH SYSTEM WIRING. UPDATE PROGRAMMING.

ACCESS CONTROL SYSTEM - SCHNEIDER ELECTRIC, TAC I/NET

COMPANY	UTAH YAMAS CONTROLS
CONTACT	SHAUN ROSSITER
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PROVIDE CARD READERS AND ACCESS CONTROL CIRCUITS AS REQUIRED. PROVIDE NEW MODULE CARDS AND ASSOCIATED EQUIPMENT REQUIRED. UPDATE PROGRAMMING.

SYMBOL LEGEND

1. SEE FIXTURE SCHEDULE FOR TYPE, MOUNTING AND WATTAGE. 2. HEIGHT MEASURED TO CENTER LINE OF THE BOX FROM THE FINISHED FLOOR. 3. REFER TO DRAWINGS FOR DIRECTIONAL ARROWS. 4. SUBSCRIPT INDICATES FIXTURES TO BE CONTROLLED. 5. NEMA TYPE NOT NON-FUSED UNLESS NOTED "F" (FUSED), USE "HD" 480 V. 6. HEIGHT MEASURED TO TOP OF THE BOX FROM FINISHED FLOOR. 7. PROVIDE H.O.A. AND S.S. PUSHBUTTONS AS REQUIRED. 8. DOUBLE ARROWS INDICATES A DOUBLE FACE UNIT. 9. DEVICES NOTED WITH AN "X" INDICATE TO COORDINATE WITH MILL/WORK SHOP DRAWINGS AND ELEVATIONS FOR HEIGHT. 10. SUBSCRIPT INDICATES NEMA CONFIGURATION. 11. SOLID BOX AROUND DEVICE INDICATES INSTALLED IN FLOOR. DASHED BOX AROUND DEVICE INDICATES INSTALLED IN CEILING.										12. COORDINATE WITH DOOR HARDWARE SUPPLIER. 13. FOR WATER COOLER LOCATION, SEE DIAGRAM R002. FOR ALL OTHER LOCATIONS, MOUNT AT +16" TO BOTTOM OF BOX FROM FINISHED FLOOR, OR AS NOTED. 14. ARROWS SHOWN ON DEVICE INDICATE AIMING DIRECTION. 15. CAMERA NUMBERS ARE SHOWN INSIDE THE CAMERA SYMBOL. CAMERA TYPES ARE INDICATED IN TAG. 16. MOUNT ON TRACK OF OVERHEAD DOOR, 6" FROM TOP OF DOOR, UNLESS OVERHEAD DOOR IS A ROLL UP DOOR, THEN MOUNT PER MANUFACTURER'S INSTRUCTIONS. 17. INSTALL DEVICES PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. 18. DASHED LINE INDICATES EQUIPMENT CLEARANCES. ARROW INDICATES FRONT OF RACK. 19. SPEAKER TO BE MOUNTED IN HORIZONTAL POSITION. 20. MOUNTING HEIGHT IS TO BOTTOM OF DISPLAY. *TYPICAL SYMBOL SCHEDULE. SOME SYMBOLS MAY NOT BE USED ON THIS SET OF DRAWINGS.									
STANDARD MOUNTING HEIGHT UNLESS OTHERWISE NOTED ON PLANS										STANDARD MOUNTING HEIGHT UNLESS OTHERWISE NOTED ON PLANS									
GENERAL										GENERAL									
SYMBOL DESCRIPTION MOUNTING HEIGHT NOTES										SYMBOL DESCRIPTION MOUNTING HEIGHT NOTES									
CIRCUIT, HOME RUN TO PANEL										EQUIPMENT PANEL, SEE DRAWINGS +72" 6.									
CONDUIT RUN CONCEALED IN WALL OR CEILING										CABLE TRAY AS NOTED									
CONDUIT RUN CONCEALED IN FLOOR OR GROUND										GROUND BUS BAR +18" 6.									
CONDUIT UP										LIGHT FIXTURE (LETTER DESIGNATES TYPE)									
CONDUIT DOWN										EQUIPMENT NUMBER									
CONDUIT STUB LOCATION CAP CONDUIT										ARCHITECTURAL ROOM NUMBER									
CONDUIT / CIRCUIT CONTINUATION										DEVICE / EQUIPMENT (TEXT DESIGNATES TYPE) SEE SCHEDULE									
DEVICE / EQUIPMENT (TEXT DESIGNATES TYPE) SEE SCHEDULE										DEVICE / EQUIPMENT (TEXT DESIGNATES TYPE) SEE SCHEDULE									
MULTIPLE SYSTEM SYMBOLS [ALL 120V RECEPTACLES SHALL BE CONSIDERED TAMPERPROOF]										MULTIPLE SYSTEM SYMBOLS [ALL 120V RECEPTACLES SHALL BE CONSIDERED TAMPERPROOF]									
RECEPTACLE SWITCH PACK										JUNCTION BOX (F" IN FLOOR) AS NOTED									
DUPLEX RECEPTACLE UPPER OUTLET SWITCH CONTROLLED +18" OR AS NOTED 2, 9.										MOTOR OUTLET TO SUIT EQUIP. 2.									
SIMPLEX RECEPTACLE +18" OR AS NOTED 2, 9.										PUSHBUTTON +46" 2.									
DUPLEX RECEPTACLE +18" OR AS NOTED 2, 9, 11.										NON-FUSED DISCONNECT SWITCH +60" 5, 6.									
DUPLEX RECEPTACLE 9										FUSED DISCONNECT SWITCH +60" 5, 6.									
5mA GFCI CIRCUIT BREAKER PROTECTED RECEPTACLE 13.										BREAKER DISCONNECT SWITCH +60" 5, 6.									
WEATHERPROOF RECEPTACLE +24" OR AS NOTED 2, 9.										SINGLE POLE SWITCH +46" 2, 4.									
GROUND FAULT INTERRUPTER DUPLEX RECEPTACLE +18" OR AS NOTED 2, 9.										MANUAL STARTER THERMAL OVERLOAD SWITCH WITH PILOT LIGHT +46" 2.									
DUPLEX RECEPTACLE EMERGENCY POWER (RED) +18" OR AS NOTED 2, 9, 11.										MAGNETIC STARTER +60" 6, 7.									
FOURPLEX RECEPTACLE +18" OR AS NOTED 2, 9, 11.										MAGNETIC STARTER / DISCONNECT COMBINATION +60" 6, 7.									
GROUND FAULT INTERRUPTER FOURPLEX RECEPT +18" OR AS NOTED 2, 9.										VARIABLE FREQUENCY DRIVE +66" 6.									
LIGHTING										LIGHTING									
CEILING LIGHT FIXTURE CEILING 1.										POWER PACK ABOVE CEILING SEE DIAGRAM, SPEC.									
WALL LIGHT FIXTURE AS NOTED 1.										DIGITAL ROOM CONTROLLER (SUBSCRIPT INDICATES NUMBER OF RELAYS) ABOVE CEILING SEE DIAGRAM, SPEC.									
RECESSED DOWNLIGHT FIXTURE CEILING 1.										EMERGENCY LIGHTING CONTROL UNIT ABOVE CEILING SEE DIAGRAM, SPEC.									
RECESSED WALL-WASH DOWNLIGHT FIXTURE CEILING 1.										THREE-WAY SWITCH +46" 2, 4.									
LIGHT FIXTURE AS NOTED 1.										FOUR-WAY SWITCH +46" 2, 4.									
EGRESS LIGHT FIXTURE AS NOTED 1.										KEY OPERATED SWITCH +46" 2, 4.									
AREA LIGHT POLE AND FIXTURE CONCRETE BASE 1, 14. SEE DIAGRAM										SWITCH WITH PILOT LIGHT +46" 2, 4.									
POST TOP LIGHT POLE AND FIXTURE CONCRETE BASE 1, 14. SEE DIAGRAM										VARIABLE INTENSITY SWITCH +46" 2, 4.									
BOLLARD AS NOTED 1.										TIMER SWITCH +46" 2, 4.									
IN-GRADE LIGHT FIXTURE CONCRETE BASE 1.										MOMENTARY CONTACT SWITCH +46" 2, 4.									
FLOOD OR TRACK FIXTURE AS NOTED 1.										LOW VOLTAGE WALLSTATION (SUBSCRIPT INDICATES CONFIGURATION & CONTROL SEQUENCE) +46" 2. SEE DIAGRAM, SPEC.									
CEILING / WALL MOUNTED EXIT LIGHT CEILING/AS NOTED 1, 3, 8.										DUAL TECH CEILING MOUNTED OCCUPANCY SENSOR (PROVIDE WITH ALL PP AND ROOM CONTROLLERS) CEILING 2, 4. SEE DIAGRAM, SPEC.									
EMERGENCY LIGHT FIXTURE AS NOTED 1.										DUAL TECH WALL MOUNTED OCCUPANCY SENSOR (SUBSCRIPT D = DIMMING AND DAYLIGHT CONTROL) +46" 2, 4. SEE DIAGRAM, SPEC.									
COMBO EXIT / EMERGENCY LIGHT FIXTURE AS NOTED 1.										PHOTO-ELECTRIC CONTROL (LOCATE ON ROOF, FACE NORTH) AS NOTED MOUNT AS PER MFR.									
TIME CLOCK +60" 2.										DIGITAL DAYLIGHT SENSOR CEILING SEE DIAGRAM, SPEC.									
POWER [ALL 120V RECEPTACLES SHALL BE CONSIDERED TAMPERPROOF]										POWER [ALL 120V RECEPTACLES SHALL BE CONSIDERED TAMPERPROOF]									
ISOLATED GROUND RECEPTACLE +18" OR AS NOTED 2, 9.										PLUGMOLD +46" OR AS NOTED 2. SEE SPEC.									
DUPLEX RECEPTACLE WITH USB OUTLET +18" OR AS NOTED 2, 9.										FLAT PANEL DISPLAY WALL BOX TVSS RECEPT., DATA AND OTHER DEVICES, REFERS TO DIAGRAMS AS NOTED SEE DIAGRAM, SPEC. 26-2726									
CONTROLLED DUPLEX RECEPTACLE +18" OR AS NOTED 2, 9.										CEILING PROJECTION SYSTEM CEILING BOX ABOVE CEILING SEE DIAGRAM, SPEC.									
FOURPLEX RECEPTACLE EMERGENCY POWER (RED) +18" OR AS NOTED 2, 9, 11.										DOORBELL CHIME +90" 2.									
CONTROLLED FOURPLEX RECEPTACLE +18" OR AS NOTED 2, 9.										FLOOR BOX - SEE SCHEDULE FLOOR SEE DIAGRAM, SPEC.									
TVSS PROTECTED RECEPTACLE +18" OR AS NOTED 2, 9.										POKE THRU - SEE SCHEDULE FLOOR SEE DIAGRAM, SPEC.									
SPECIAL PURPOSE OUTLET +18" OR AS NOTED 2, 10. W/CAP.										PANELBOARD									
CORD DROP SEE DIAGRAM										MAIN DISTRIBUTION PANEL									
CORD REEL SEE DIAGRAM										TELEPHONE DEMARCATION BOARD									
TOMBSTONE RECEPTACLE										EQUIPMENT CEILING RACK CEILING									
POWER POLE										EQUIPMENT 4-POST RACK / CABINET AS NOTED 18. SEE SPEC.									
SINGLE / DUAL PORT ELECTRICAL VEHICLE CHARGER										EQUIPMENT 2-POST RACK AS NOTED 18. SEE SPEC.									
SINGLE / DUAL PORT ELECTRICAL VEHICLE CHARGER										UTILITY METER / P CABINET +72" 6.									
COMMUNICATIONS										COMMUNICATIONS									
WALL PHONE "XX" INDICATES PURPOSE: SC = SECURITY, AV = AUDIO/VISUAL +60" OR AS NOTED 2.										WIRELESS ACCESS POINT, TWO CABLES SOLID = WALL, DASHED = CEILING "XX" INDICATES PURPOSE: SC = SECURITY, AV = AUDIO/VISUAL WALL / CEILING 11.									
DATA OUTLET, ONE CABLE "XX" INDICATES PURPOSE: SC = SECURITY, AV = AUDIO/VISUAL +18" OR AS NOTED 2, 9, 11.										SPLITTER ABOVE CEILING									
DATA OUTLET, TWO CABLES "XX" INDICATES PURPOSE: SC = SECURITY, AV = AUDIO/VISUAL +18" OR AS NOTED 2, 9, 11.										VIA ABOVE CEILING									
DATA OUTLET, THREE CABLES "XX" INDICATES PURPOSE: SC = SECURITY, AV = AUDIO/VISUAL +18" OR AS NOTED 2, 9, 11.										FIBER BDA ABOVE CEILING									
DATA OUTLET, "X" INDICATES QUANTITY "XX" INDICATES PURPOSE: SC = SECURITY, AV = AUDIO/VISUAL +18" OR AS NOTED 2, 9, 11.										ANTENNA ABOVE CEILING									
DATA OUTLET, "X" INDICATES QUANTITY "XX" INDICATES PURPOSE: SC = SECURITY, AV = AUDIO/VISUAL +18" OR AS NOTED 2, 9, 11.										PS = PUBLIC SAFETY, COM = CELLULAR/COMMERCIAL CEILING									
TELEVISION OUTLET, SOLID = FLOOR, DASHED = CEILING +18" OR AS NOTED 9, 11.																			
FIRE ALARM										FIRE ALARM									
BELL +94" 2.										SMOKE DETECTOR CEILING									
CHIME / STROBE +94"/CEILING 2.										SMOKE/CARBON MONOXIDE DETECTOR CEILING									
FIRE ALARM MANUAL STATION +46" 2.										CARBON MONOXIDE DETECTOR CEILING									
FIRE ALARM SIGNAL HORN / STROBE +94"/CEILING 2.										HEAT DETECTOR CEILING									
CONCEALED FIRE ALARM HORN / STROBE CEILING										DUCT SMOKE DETECTOR MTD, IN DUCT									
CONCEALED FIRE ALARM HORN / STROBE WALL +94" 2.										FIRE/SMOKE DAMPER									
FIRE ALARM SPEAKER / STROBE +94"/CEILING 2.										DOOR HOLDER AS NOTED									
CONCEALED FIRE ALARM SPEAKER / STROBE CEILING										FLOW SWITCH									
CONCEALED FIRE ALARM SPEAKER / STROBE WALL +94" 2.										TAMPER SWITCH									
FIRE ALARM STROBE +94"/CEILING 2.										WATER FLOOD INDICATOR									
CONCEALED FIRE ALARM STROBE CEILING										O.S. & Y. VALVE									
CONCEALED FIRE ALARM STROBE WALL +94" 2.										FIRE ALARM RELAY OR SECURITY RELAY									
FIRE ALARM SPEAKER ONLY +94"/CEILING 2.										FIRE ALARM CONTROL MODULE									
FIRE ALARM STROBE WITH BLUE COLORED LENS (CO VISUAL ALARM) +94"/CEILING 2.										FIRE ALARM MONITOR MODULE									
FIRE ALARM ANNUNCIATOR PANEL +58" 2. SEE DIAGRAM										TWO-WAY COMMUNICATION SYSTEM CONTROL PANEL +46" 2.									
ASPIRATING SMOKE DETECTION SYSTEM CEILING MOUNT AS PER MFR.										TWO-WAY COMMUNICATION SYSTEM CALL STATION +46" 2.									
BEAM DETECTOR										FIRE ALARM RELAY									

A

B

C

D

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LIGHT FIXTURE SCHEDULE

LIGHT FIXTURE ABBREVIATION SCHEDULE				PROJECT MANAGER: DRAYTON BAILEY	
A.F.F. WALL@CLG SCBA	ABOVE FINISH FLOOR WALL MOUNT AT CORNER OF WALL AND CEILING CUSTOM PAINTED COLOR AS SELECTED BY THE ARCHITECT	SCBA SFBA	STANDARD PAINTED COLOR AS SELECTED BY THE ARCHITECT CUSTOM FINISH AS SELECTED BY THE ARCHITECT STANDARD FINISH AS SELECTED BY THE ARCHITECT		
LIGHT FIXTURE GENERAL NOTES					
1.	REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATIONS OF LIGHT FIXTURES AND, CONFIRM CEILING TYPES WITH LIGHT FIXTURE TRIMS. BRING ALL DISCREPANCIES OF LOCATIONS AND QUANTITIES TO THE ATTENTION OF THE ARCHITECT AND ELECTRICAL ENGINEER PRIOR TO BIDDING.				
2.	REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS AND LOCATIONS OF LIGHT FIXTURES. BRING ALL DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT PRIOR TO BIDDING.				
3.	REFER TO THE SPECIFICATIONS FOR OTHER LIGHT FIXTURE, FUSING, LED DRIVERS, AND LAMP REQUIREMENTS AND ACCEPTABLE MANUFACTURERS.				
4.	CONFIRM AVAILABLE MOUNTING DEPTHS OF ALL LIGHT FIXTURES AND COMPARE WITH DEPTHS SHOWN ON SHOP DRAWINGS. BRING ALL POTENTIAL CONFLICT AREAS TO THE ATTENTION OF THE ARCHITECT AND ELECTRICAL ENGINEER PRIOR TO RELEASE.				
5.	REFER TO LIGHTING PLANS FOR ALL LINEAR FIXTURE LENGTHS. THE CATALOG NUMBER IS BASED ON THE FIXTURE SPECIFIED AND MAY NOT REFLECT THE QUANTITY OR OVERALL LENGTH OF LINEAR FIXTURES REQUIRED. CONTRACTOR TO NOTE THAT VARIOUS FIXTURE LENGTHS MAY BE REQUIRED TO ACHIEVE THE OVERALL RUN LENGTH.				
6.	REFER TO LIGHTING PLANS FOR ALL UNDERCABINET FIXTURE LENGTHS. THE CATALOG NUMBER IS BASED ON THE FIXTURE SPECIFIED AND MAY NOT REFLECT THE QUANTITY OR OVERALL LENGTH OF THE UNDERCABINET FIXTURES REQUIRED. CONTRACTOR TO NOTE THAT VARIOUS FIXTURE LENGTHS MAY BE REQUIRED TO ACHIEVE THE OVERALL RUN LENGTH OR TO FIT WITHIN THE MILLWORK. COORDINATE FIXTURE LAYOUT WITH MILLWORK SHOP DRAWINGS PRIOR TO LIGHTING SUBMITTALS.				
7.	WHEN A CONTRADICTION EXISTS BETWEEN A SPECIFIC MODEL NUMBER AND THE DESCRIPTION, NOTIFY THE ELECTRICAL ENGINEER AND/OR LIGHTING DESIGNER.				
8.	PRIOR APPROVALS ARE REQUIRED BEFORE BIDDING THE PROJECT AND SHALL BE SUBMITTED TO THE ELECTRICAL ENGINEER'S OFFICE AT LEAST (8) EIGHT WORKING DAYS BEFORE THE BID. PRIOR APPROVALS RECEIVED AFTER THIS TIME PERIOD SHALL BE REJECTED.				
9.	REFER TO SPECIFICATIONS 20 0550, 26 5100 & 26 5600 (1601, 16510 & 16551).				
10.	VALUE ENGINEERING CONDUCTED WITHOUT THE DESIGN TEAM IE, ARCHITECT, ENGINEER & LIGHTING CONSULTANT/DESIGNER WILL NOT BE ALLOWED, REVIEWED OR APPROVED.				

TYPE	DESCRIPTION	MFR.	CATALOG #	VOLTS	TOTAL WATTS	LAMP TYPE	DIMMING TYPE	DELIVERED LUMENS	COLOR TEMP	CRI	ALTERNATE MFR
A4H	2'X4' LED FLAT PANEL LUMINAIRE, HIGH TRANSMISSION EXTRUDED LOW GLARE PMMA FROSTED ACRYLIC LENS, ULTRA-THIN <2" H, SCRATCH AND IMPACT RESISTANT, RECESSED INTO ACCESSIBLE ARCHITECTURAL CEILING, EASY TO CLEAN, 100,000 HOUR (L70); DLC LISTED, 5 YR. WARRANTY, 0-10 DIMMING, FIELD-SELECTABLE LUMEN OUTPUT (HIGH, 4000K)	ILP	VPAN24-33L/44L/55L-U-CCTS	277 V	49 VA	LED	0-10	6,466	4000 K	80+	
A4HE	2'X4' LED FLAT PANEL LUMINAIRE, HIGH TRANSMISSION EXTRUDED LOW GLARE PMMA FROSTED ACRYLIC LENS, ULTRA-THIN <2" H, SCRATCH AND IMPACT RESISTANT, RECESSED INTO ACCESSIBLE ARCHITECTURAL CEILING, EASY TO CLEAN, 100,000 HOUR (L70); DLC LISTED, 5 YR. WARRANTY, 0-10 DIMMING, FIELD-SELECTABLE LUMEN OUTPUT (HIGH, 4000K) 10W LED SELF-DIAGNOSING BATTERY BACKUP	ILP	VPAN24-33L/44L/55L-U-CCTS-EM10H-ESD	277 V	49 VA	LED	0-10	6,466	4000 K	80+	
A4M	2'X4' LED FLAT PANEL LUMINAIRE, HIGH TRANSMISSION EXTRUDED LOW GLARE PMMA FROSTED ACRYLIC LENS, ULTRA-THIN <2" H, SCRATCH AND IMPACT RESISTANT, RECESSED INTO ACCESSIBLE ARCHITECTURAL CEILING, EASY TO CLEAN, 100,000 HOUR (L70); DLC LISTED, 5 YR. WARRANTY, 0-10 DIMMING, FIELD-SELECTABLE LUMEN OUTPUT (HIGH, 4000K)	ILP	VPAN24-33L/44L/55L-U-CCTS	277 V	38 VA	LED	0-10	5,191	4000 K	80+	
A4ME	2'X4' LED FLAT PANEL LUMINAIRE, HIGH TRANSMISSION EXTRUDED LOW GLARE PMMA FROSTED ACRYLIC LENS, ULTRA-THIN <2" H, SCRATCH AND IMPACT RESISTANT, RECESSED INTO ACCESSIBLE ARCHITECTURAL CEILING, EASY TO CLEAN, 100,000 HOUR (L70); DLC LISTED, 5 YR. WARRANTY, 0-10 DIMMING, FIELD-SELECTABLE LUMEN OUTPUT (HIGH, 4000K) 10W LED SELF-DIAGNOSING BATTERY BACKUP	ILP	VPAN24-33L/44L/55L-U-CCTS-EM10H-ESD	277 V	38 VA	LED	0-10	5,500	4000 K	80+	
B2M	2'X2' LED FLAT PANEL LUMINAIRE, HIGH TRANSMISSION EXTRUDED LOW GLARE PMMA FROSTED ACRYLIC LENS, ULTRA-THIN <2" H, SCRATCH AND IMPACT RESISTANT, RECESSED INTO ACCESSIBLE ARCHITECTURAL CEILING, EASY TO CLEAN, 100,000 HOUR (L70); DLC LISTED, 5 YR. WARRANTY, 0-10 DIMMING, FIELD-SELECTABLE LUMEN OUTPUT (MEDIUM, 4000K)	ILP	VPAN22-22L/33L/44L-U-CCTS	277 V	30 VA	LED	0-10	4,156	4000 K	80+	
B2ME	2'X2' LED FLAT PANEL LUMINAIRE, HIGH TRANSMISSION EXTRUDED LOW GLARE PMMA FROSTED ACRYLIC LENS, ULTRA-THIN <2" H, SCRATCH AND IMPACT RESISTANT, RECESSED INTO ACCESSIBLE ARCHITECTURAL CEILING, EASY TO CLEAN, 100,000 HOUR (L70); DLC LISTED, 5 YR. WARRANTY, 0-10 DIMMING, FIELD-SELECTABLE LUMEN OUTPUT (MEDIUM, 4000K)	ILP	VPAN22-22L/33L/44L-U-CCTS	277 V	30 VA	LED	0-10	4,156	4000 K	80+	
L4HPE	2.5'X4' LINEAR DIRECT/INDIRECT PENDANT LED LUMINAIRE, WIDESPREAD OPTICS, FLUSH LENS, FIXTURE LENS SHALL BE CONTINUOUS (NO BREAKS) FIELD VERIFY SUSPENSION HEIGHT WITH ARCHITECT (GENERALLY 18-24") 50,000 HOUR (L70) 0-10 DIMMING, 7 YR WARRANTY, INTEGRAL EM BATTERY PACK, FIELD-SELECTABLE UP/DOWN LIGHT (UP 30% & DOWN 70%)	ALED LIGHTING	LPA-4UX-50-8-CCT-WH-EM1400-LPA-ACCS-PK	120 V	50 VA	LED	0-10	6,400	4000 K	80+	
L4MPE	2.5'X4' WIDE LINEAR DIRECT/INDIRECT PENDANT LED LUMINAIRE, WIDESPREAD OPTICS, FLUSH LENS, FIXTURE LENS SHALL BE CONTINUOUS (NO BREAKS) FIELD VERIFY SUSPENSION HEIGHT WITH ARCHITECT (GENERALLY 18-24") 50,000 HOUR (L70) 0-10 DIMMING, 7 YR WARRANTY, INTEGRAL EM BATTERY PACK, FIELD-SELECTABLE LUMEN OUTPUT (BROW/MEDIUM, 4000K) FIELD-SELECTABLE UP/DOWN LIGHT (UP 30% & DOWN 70%)	ALED LIGHTING	LPA-BUX-100-8-CCT-WH-EM1400-LPA-ACCS-PK	120 V	80 VA	LED	0-10	10,320	4000 K	80+	
S8DCE	8" ROUND SURFACE MOUNTED ROUND LED LUMINAIRE, DURABLE CAST ALUMINUM LOW PROFILE OF <1/2", LOW GLARE POLYCARBONATE LENS; MOUNTS IN STANDARD 4" DEEP OCTAGONAL JUNCTION BOX, PROVIDE JUNCTION BOX/ENCLOSING AS REQUIRED, 50,000 HOUR (L70), 5 YR WARRANTY, 0-10 DIMMING; FIELD-SELECTABLE CCT (3000K); EM BATTERY PACK	PRESCLUTE	LBSES-8RD-CS9-WH-EM	120 V	20 VA	LED		1,750	4000 K	90+	
VL	WALL MOUNTED, 18W, 9" H x 2.5" D, LINEAR RECTANGULAR LED VANTY, WHITE ACRYLIC DIFFUSER, SCBA, 60,000 HOUR (L70), 0-10 DIMMING	TRANSLOCORE LIGHTING	LED-22463-SAAVY	120 V	20 VA	LED		1,625	3000 K		
X1	UNIVERSAL EDGE-LIT EXIT SIGN, BRUSHED ALUMINUM HOUSING AND BLACK PLASTIC END-CAPS, WITH HIGH-GRADE ACRYLIC PANEL, GREEN LETTERING, UNIVERSAL FACE, SINGLE, DOUBLE, UNIVERSAL MOUNTING, SURFACE, RECESSED, OR END-MOUNT, FIELD VERIFY FACE COUNTS AND MOUNTING METHODS, AC & EM AUTOTEST, INTEGRAL BATTERY	BEGHELLI	CRV25AUBA	120 V	2 VA	LED					

EQUIPMENT SCHEDULE

CONNECTION TYPE NOTES:										RESPONSIBILITY LEGEND:												
1. NON-FUSED DISCONNECT SWITCH										A. FURNISHED, INSTALLED AND CONNECTED UNDER DIVISION 26(16)												
2. FUSED DISCONNECT SWITCH										B. FURNISHED AND INSTALLED UNDER ANOTHER DIVISION. REQUIRED CONNECTION UNDER DIVISION 26(16)												
3. BREAKER IN ENCLOSURE										C. FURNISHED UNDER ANOTHER DIVISION BUT INSTALLED AND CONNECTED UNDER DIVISION 26(16)												
4. MANUAL STARTER WITH THERMAL OVERLOAD										D. FURNISHED, INSTALLED AND CONNECTED UNDER ANOTHER DIVISION												
5. MAGNETIC STARTER										CB = CIRCUIT BREAKER												
6. MAGNETIC STARTER-NON-FUSED DISCONNECT COMBINATION										NOTE 1: PER 200.122(A), EQUIPMENT GROUND IS NOT REQUIRED TO BE LARGER THAN THE PHASE CONDUCTOR NOTE 2: OVERCURRENT PROTECTION DEVICES (OCPD) SHOWN IN THIS SCHEDULE ARE FUSING TO BE SIZED IN ACCORDANCE WITH FUSE MFR RECOMMENDATION FOR MOTOR NAME PLATE RATING. NOTE 3: ALL EQUIPMENT TO BE RATED FOR THE ENVIRONMENT FOR WHICH IT IS INSTALLED.												
7. MAGNETIC STARTER-FUSED DISCONNECT COMBINATION																						
8. MAGNETIC STARTER/BREAKER COMBINATION																						
9. VARIABLE FREQUENCY DRIVE																						
10. REDUCED VOLTAGE STARTER																						
11. DIRECT CONNECTION																						
12. RECEPTACLE/SPECIAL PURPOSE OUTLET/ETC.																						
13. TWO-SPEED STARTER. COORDINATE WITH MOTOR TYPE																						
14. SOLID STATE SOFT-STARTER																						
ELECTRICAL EQUIPMENT INFORMATION										WIRE										OCPD		REMARKS
UNIT	#	DESCRIPTION	LOAD				VOLUME	PHASE	FULL LOAD AMPS	CONDUIT SIZE	SETS	QTY	SIZE	EQ. GROUND	TYPE	AMPS	STARTER/DISC/VFD OTHER (SEE NOTES)					
			HP	FLA	MCA	VA																
AC	1	OUTDOOR UNIT	0.00	0 A	22.7A	0 VA	240 V	1	16.2 A	3/4"	1	2	10	10	CB	30 A	2 A					
EF	1	EXHAUST FAN	0.00	0 A	0 A	528 VA	120 V	1	4.4 A	3/4"	1	2	12	12	CB	20 A	4 A	REWORK EXISTING EXHAUST FAN CIRC. THE INTO LIGHTING WALL MOTION SWITCH				

PANELBOARD SCHEDULE

PANEL: A (E)		TYPE: Type I		VOLTS: 120/240		PHASE: 1		WIRES: 3							
MOUNTING: SURFACE		LOCATION:		FED FROM:		MANS: MLO		BURRED LUGS							
BUSING: ALUMINUM				AMP: 225 A				DOOR-IN-DOOR							
ISO GROUND															
								200% NEUTRAL							
								SPD							
BRANCH BREAKERS															
ITEM	AMPS	TYPE	POLE	WIRE SIZE	CIR. NO.	A	B	A	B	CIR. NO.	WIRE SIZE	POLE	TYPE	AMPS	ITEM
EXISTING CIRCUITS	--	--	1	--	1	--	--	--	--	2	--	1	--	--	EXISTING CIRCUITS
EXISTING CIRCUITS	--	--	1	--	3	--	--	--	--	4	--	1	--	--	EXISTING CIRCUITS
EXISTING CIRCUITS	--	--	1	--	5	--	--	--	--	6	--	1	--	--	EXISTING CIRCUITS
EXISTING CIRCUITS	--	--	1	--	7	--	--	--	--	8	--	1	--	--	EXISTING CIRCUITS
EXISTING CIRCUITS	--	--	1	--	9	--	--	--	--	10	--	1	--	--	EXISTING CIRCUITS
EXISTING CIRCUITS	--	--	1	--	11	--	--	--	--	12	--	1	--	--	EXISTING CIRCUITS
EXISTING CIRCUITS	--	--	1	--	13	--	--	--	--	14	--	1	--	--	EXISTING CIRCUITS
EXISTING CIRCUITS	--	--	1	--	15	--	--	--	--	16	--	1	--	--	EXISTING CIRCUITS
EXISTING CIRCUITS	--	--	1	--	17	--	--	--	--	18	--	1	--	--	EXISTING CIRCUITS
EXISTING CIRCUITS	--	--	1	--	19	--	--	--	--	20	--	1	--	--	EXISTING CIRCUITS
EXISTING CIRCUITS	--	--	1	--	21	--	--	--	--	22	--	1	--	--	EXISTING CIRCUITS
EXISTING CIRCUITS	--	--	1	--	23	--	--	--	--	24	--	1	--	--	EXISTING CIRCUITS
EXISTING CIRCUITS	--	--	1	--	25	--	--	--	--	26	--	1	--	--	EXISTING CIRCUITS
EXISTING CIRCUITS	--	--	1	--	27	--	--	--	--	28	--	1	--	--	EXISTING CIRCUITS
EXISTING CIRCUITS	--	--	1	--	29	--	--	--	--	30	--	1	--	--	EXISTING CIRCUITS
EXISTING CIRCUITS	--	--	1	--	31	--	--	--	--	32	--	1	--	--	EXISTING CIRCUITS
EXISTING CIRCUITS	--	--	1	--	33	--	--	--	--	34	--	1	--	--	EXISTING CIRCUITS
EXISTING CIRCUITS	--	--	1	--	35	--	--	--	--	36	--	1	--	--	EXISTING CIRCUITS
EXISTING CIRCUITS	--	--	1	--	37	--	--	2179	--	38	10	2	--	30 A	*** AC-1
EXISTING CIRCUITS	--	--	1	--	39	--	--	2179	--	40	--	1	--	--	---
EXISTING CIRCUITS	--	--	1	--	41	--	--	2180	--	42	12	1	--	20 A	*** RECEPT RECEPTION A113
FEED THRU LOAD				4339		2179		TOTAL (VA)						CONNECTED LOAD TOTAL	
0 VA				36 A		18 A		AMPS/PHASE						6518 VA	
										A/C RATING				AMPS RMS SYSM.	
NOTES: EXISTING GE PANELBOARD						CIRCUIT BREAKER TYPE:									
* PROVIDE 5mA GFCI CIRCUIT BREAKER** PROVIDE ARC-FAULT CIRCUIT BREAKER***						<BLANK> THERMAL MAGNETIC CIRCUIT BREAKER									
ULISTED EXISTING 20A/1P SPARE*** PROVIDE NEW BREAKER AS INDICATED						GF 5 mA GROUND FAULT CIRCUIT BREAKER									
						CO 30 mA EQUIPMENT GROUND FAULT CIRCUIT BREAKER									
						ST SHUNT TRIP CIRCUIT BREAKER									

LIGHTING CONTROL INTENT NARRATIVE (IECC 2021 COMPLIANT)

THE DRAWINGS SHOW GENERAL ZONING INTENT. THE BIDDING CONTRACTOR ALONG WITH THE LIGHTING CONTROLS MANUFACTURER IS RESPONSIBLE FOR PROVIDING A SYSTEM WITH THE FEATURES NECESSARY AND MUST BE CAPABLE OF MEETING THE INTENT. THE MANUFACTURERS REPRESENTATIVE FOR DIVISION 26 AND BIDDING CONTROLS SHALL BE ACCOUNTABLE FOR THE COMPREHENSIVE LIGHTING CONTROLS PACKAGES. FINALIZATION IN ALIGNMENT WITH THE DESIGN INTENT DEPICTED IN THE DRAWINGS AND COMPLYING WITH IECC 2021 REQUIREMENTS. THE LIGHTING REPRESENTATIVE IS REQUIRED TO FURNISH EXHAUSTIVE SHOP DRAWINGS, ELUCIDATING THE LIGHTING CONTROL SYSTEMS TOPOLOGY AND THE ESSENTIAL CONNECTIONS NECESSARY FOR ITS PROPER FUNCTIONING.

GENERAL PRINCIPLES:

- ALL INDOOR AND OUTDOOR LIGHTING WILL BE CONTROLLED BY A SYSTEM THAT PRIORITIZES ENERGY EFFICIENCY AND OCCUPANT COMFORT. MEETING IECC 2021 REQUIREMENTS.
- LIGHTING WILL PRIMARILY FOLLOW A MASTER SCHEDULE PROVIDED BY THE OWNER, WITH MANUAL OVERRIDE THROUGH TOUCH PANELS FOR FINE-TUNING.
- 0-10V DIMMING WILL BE AVAILABLE ON ALL APPLICABLE LUMINAIRES FOR SMOOTH LIGHT LEVEL ADJUSTMENTS.
- OCCUPANCY SENSORS WILL AUTOMATICALLY DIM LIGHTS TO PRESET LEVELS (50% FOR CORRIDORS, STAIRWELLS, VESTIBULES AFTER PERIODS OF INACTIVITY (15 MINUTES).
- TYPICAL ROOM CONTROLLER STYLE BASED LIGHTING CONTROLLER (NON-NETWORKED), PROVIDE REQUIRED RELAYS AND END DEVICES AS NEEDED E.G. OCCUPANCY SENSORS, DAYLIGHT SENSORS, WALL STATIONS, ETC.

SPECIFIC AREAS:

CLASSROOMS:

- ROOM CONTROLLER BASED SYSTEM WITH OCCUPANCY AND DAYLIGHT SENSORS THAT MANAGE CLASSROOM LIGHTING.
- ENTERING THE SPACE TRIGGERS THE SENSORS, TURNING LIGHTS ON TO 50% BRIGHTNESS.
- OCCUPANTS CAN SET DESIRED LIGHT LEVELS FROM PRE-PROGRAMMED SCENES THROUGH THE WALL STATIONS.
- LIGHTS TURN OFF AUTOMATICALLY AFTER VACANCY OR A PRESET TIMEOUT PERIOD.
- EMERGENCY LUMINAIRES OPERATE ON THE SAME CIRCUIT AS NORMAL CLASSROOM LIGHTS.
- IN CASE OF A POWER FAILURE, DESIGNATED EMERGENCY LUMINAIRE(AUTOMATICALLY SWITCH TO 100% BRIGHTNESS.

VESTIBULES:

- OCCUPANCY SENSORS TRIGGER CORRIDOR RELAY TO DIM ALL LIGHTS TO 50% AFTER 15 MINUTES OF VACANCY.
- OCCUPANCY SENSOR PLACEMENT WILL FOLLOW MANUFACTURER RECOMMENDATIONS FOR OPTIMAL DETECTION.

EGRESS VESTIBULES:

- SAME OPERATION AS VESTIBULES, BUT EGRESS LIGHTS REMAIN ON AT 30% AFTER BUILDING CLOSURE.
- MOTION SENSORS ACTIVATE EGRESS LIGHTS TO 100% FOR 20 MINUTES AFTER DETECTING MOVEMENT, THEN DIM BACK TO 30% ON VACANCY.
- LIGHTS REMAIN AT 30% UNTIL SCHEDULED BUILDING OPENING.

CORRIDORS:

- LIGHTS AUTOMATICALLY TURN ON TO 100% WHEN USER ENTERS, WITH 50% DIM LEVEL TRIGGERED BY OCCUPANCY SENSORS AFTER 15 MINUTES OF INACTIVITY.

EGRESS CORRIDORS:

- LIGHTS AUTOMATICALLY TURN ON TO 100% WHEN USER ENTERS, BUT EGRESS LIGHTS REMAIN ON AT 30% AFTER BUILDING CLOSURE.
- MOTION SENSORS ACTIVATE EGRESS LIGHTS TO 100% FOR 20 MINUTES AFTER DETECTING MOVEMENT, THEN DIM BACK TO 30% ON VACANCY.
- LIGHTS REMAIN AT 30% UNTIL SCHEDULED BUILDING OPENING.

WASHROOMS:

- OCCUPANCY: LIGHTS AUTOMATICALLY TURN AFTER VACATED.

OFFICES:

- ROOM CONTROLLER BASED, SIMILAR TO CLASSROOM OR OCCUPANCY: LIGHTS AUTOMATICALLY TURN ON TO DAYLIGHT LEVEL WHEN USER ENTERS, AND LIGHTS WILL AUTOMATICALLY TURN OFF 15 MINUTES AFTER VACATED.
- TOGGLE CONTROL BETWEEN ON/OFF, 0-10V DIMMING, RAISE AND LOWER.

COMPLIANCE:

THIS NARRATIVE OUTLINES A LIGHTING CONTROL SYSTEM THAT COMPLIES WITH THE LATEST IECC 2021 REQUIREMENTS, EMPHASIZING AUTOMATED CONTROLS, DAYLIGHT HARVESTING, AND ENERGY-EFFICIENT DIMMING BASED ON OCCUPANCY AND AMBIENT LIGHT LEVELS. THIS APPROACH HELPS MINIMIZE ENERGY CONSUMPTION WHILE ENSURING ADEQUATE LIGHTING FOR OCCUPANT SAFETY AND COMFORT.

EMERGENCY LIGHTING AND IECC/IECC COMPLIANCE IN ADDITION TO THE STANDARD LIGHTING CONTROL SYSTEM, THE PROJECT WILL INCLUDE AN EMERGENCY LIGHTING SYSTEM DESIGNED TO MEET THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE (IBC) AND THE INTERNATIONAL ENERGY CONSERVATION CODE (IECC). THIS SYSTEM PRIORITIZES LIGHTING SAFETY AND EGRESS DURING POWER OUTAGES.

EMERGENCY LIGHTING FEATURES:

- PROJECT UTILIZES INTEGRAL EMERGENCY BATTERY PACKS WITH SPECIFIC LIGHT FIXTURES, SEE PLANS FOR LOCATIONS. PROVIDE INSWITCHED NORMAL CIRCUIT HOT LEGS TO ALL EMERGENCY POWER CONTROL DEVICES FOR PROPER POWER SENSING.
- AUTOMATIC ACTIVATION: UPON DETECTION OF A POWER FAILURE, EMERGENCY LIGHTS WILL AUTOMATICALLY SWITCH ON TO 100% BRIGHTNESS WITHIN THE FACILITY.
- EXIT PATH ILLUMINATION: EMERGENCY LIGHTING WILL BE STRATEGICALLY PLACED TO EFFECTIVELY ILLUMINATE ALL DESIGNATED EXIT PATHS AND STAIRWELLS, FACILITATING SAFE EVACUATION.
- COMPLIANCE AND INSPECTION: THE EMERGENCY LIGHTING SYSTEM WILL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH IBC AND IECC REQUIREMENTS, AND WILL BE SUBJECT TO REGULATOR INSPECTIONS TO ENSURE PROPER FUNCTIONALITY.

ADDITIONAL NOTES:

- THE SPECIFIED TIME DELAYS AND LIGHT LEVELS CAN BE ADJUSTED TO SUIT THE SPECIFIC NEEDS OF THE BUILDING AND OCCUPANTS. AFTER 2 MONTHS OF OCCUPANCY, LIGHTING PROGRAMMER SHALL RETURN TO MAKE ADJUSTMENTS PER THE OWNERS REQUEST.

GENERAL NOTES

- PROGRAM SYSTEM TO MEET THE REQUIREMENTS OF IECC 2018 OR CURRENT ENERGY CODE.
- CONFIRM SWITCHING AND PROGRAMMING SCHEME WITH OWNER PRIOR TO PROGRAMMING.
- PROGRAM SYSTEM TO INCORPORATE AUTO DAYLIGHT SAVINGS ADJUSTMENTS, ASTRONOMICAL CLOCK WITH OFFSETS, HOLIDAY DATES, AND NETWORK OVERRIDE.
- REFER TO WALL STATION DIAGRAMS FOR FACTORY ENGRAVED LABELING FOR ALL INDIVIDUAL PUSH-BUTTONS, DEVICE AND COVERPLATE COLORS SELECTED BY ARCHITECT.
- SUBMIT ALL WALL STATION LAYOUTS, ENGRAVING AND CONTROL SEQUENCES DURING THE SHOP DRAWINGS REVIEW PROCESS.
- PROVIDE RELAY BARRIER FOR VOLTAGE AND POWER SOURCE SEPARATION (EMERGENCY AND NORMAL CIRCUITS, VOLTAGE DIFFERENCES).
- SYSTEM MUST INTERFACE WITH NEW OR EXISTING ENERGY MANAGEMENT SYSTEMS (BMS, PROVIDE SYSTEM CONSISTING WITH MONITORS), COMMUNICATIONS EQUIPMENT, A CONTROLLER(S), TIMERS), OR OTHER DEVICE(S) THAT MONITOR AND/OR CONTROL AN ELECTRICAL LOAD OR POWER PRODUCTION OR STORAGE SOURCE. COORDINATE EXACT TIE-IN POINTS AND COMMUNICATION PROTOCOLS/MODULES REQUIRED. PROGRAM ACCORDINGLY AND PER OWNERS REQUIREMENTS.

LIGHTING GENERAL SHEET NOTES

- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR ALL FIXTURE LOCATIONS WITHIN A CEILING OR ABOVE THE ENTRY DOOR

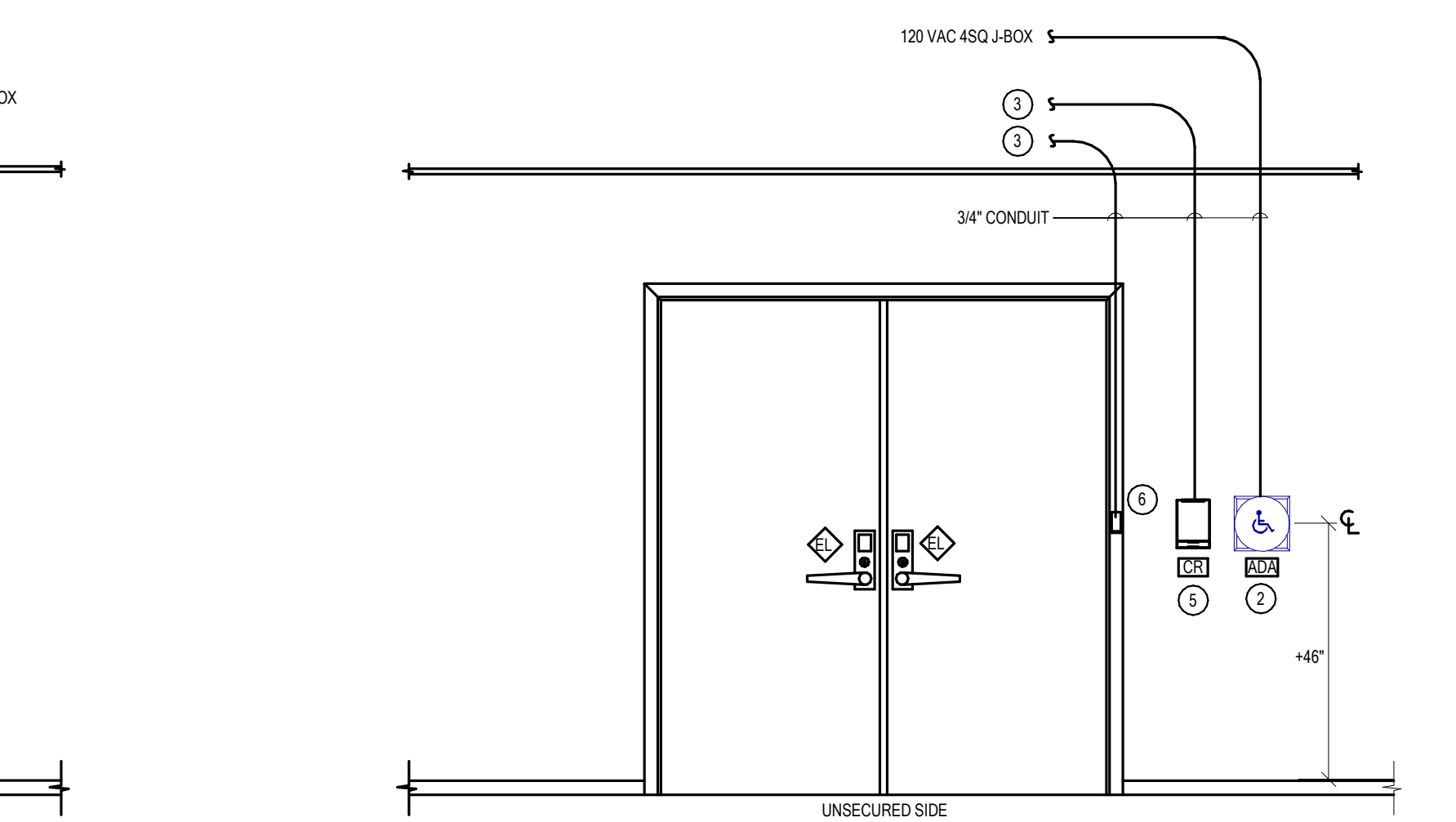
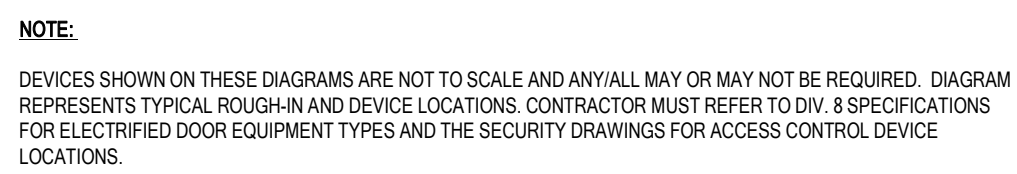


DIAGRAM (EY101) TYPICAL ACCESS CONTROL & ELECTRIFIED DOOR HARDWARE DIAGRAMS
NTS



1. PROVIDE A MANUFACTURER-RECOMMENDED JUNCTION BACKBOX WITH A 3/4" CONDUIT THAT EXTENDS TO AN ACCESSIBLE CEILING SPACE.
2. PROVIDE RACEWAY TO ROUTE THE CATEGORY CABLE TO THE DESIGNATED TELECOMMUNICATIONS EQUIPMENT RACK, ENSURING INDUSTRY-STANDARD SERVICE LOOPS AT BOTH ENDS. TERMINATE THE CATEGORY CABLE WITH THE SPECIFIED CONNECTORS AND TO THE ASSIGNED PATCH PANEL AND PERFORM TESTING.

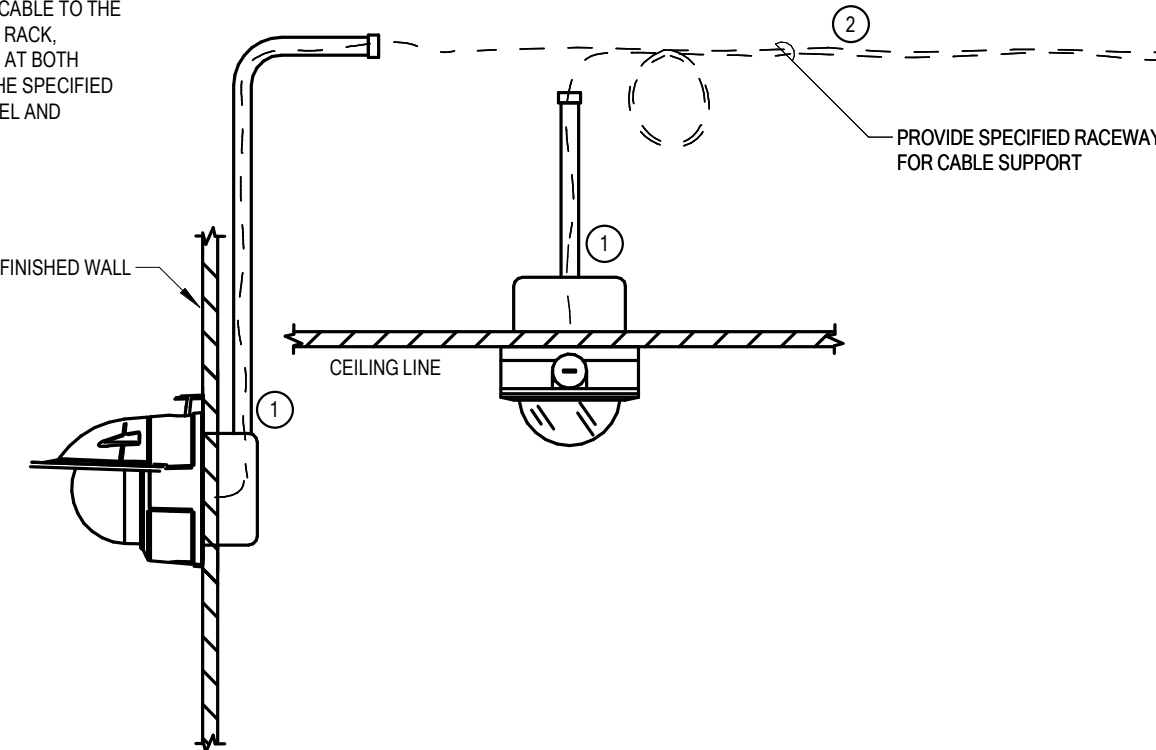


DIAGRAM (EY401) TYPICAL SURVEILLANCE CAMERA MOUNTING



1. CAMERAS SHOWN DIAGRAMMATICALLY ONLY.
2. REFER TO THE SECURITY PLANS FOR SURVEILLANCE CAMERA LOCATIONS.

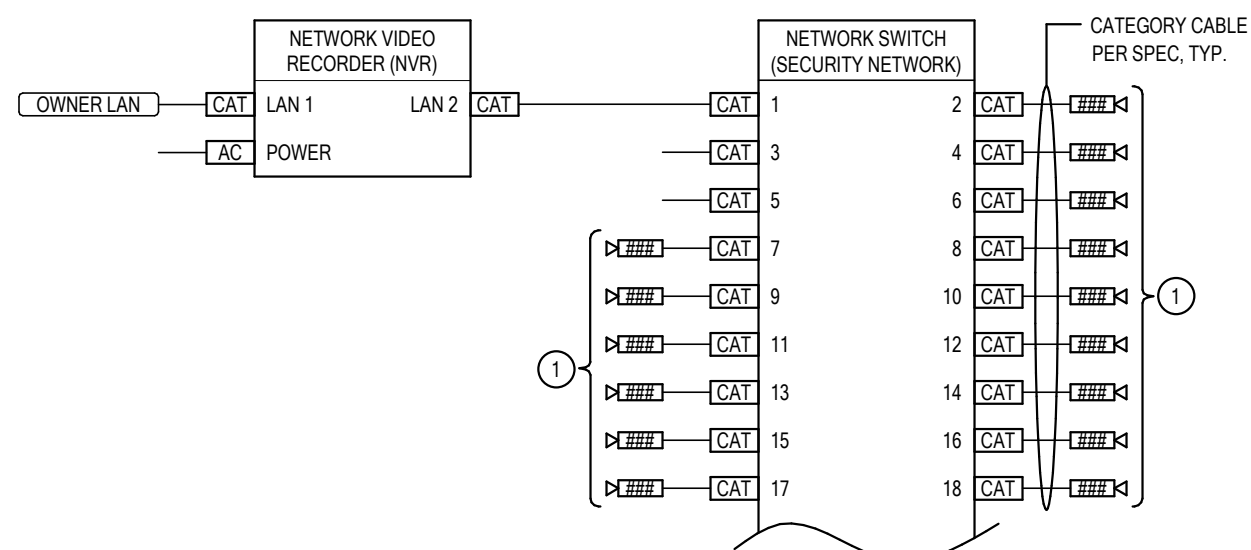


DIAGRAM (EY001) TYPICAL VIDEO SURVEILLANCE SYSTEM - ONE LINE DIAGRAM



1. DEVICES SHOWN DIAGRAMMATICALLY ONLY.
2. PROVIDE 2" CONDUIT(S) UP TO ACCESSIBLE CEILING SPACE FROM THE ACCESS CONTROL HEAD-END PANEL(S). CONDUIT FILL RATIO IS NOT TO EXCEED 40%.

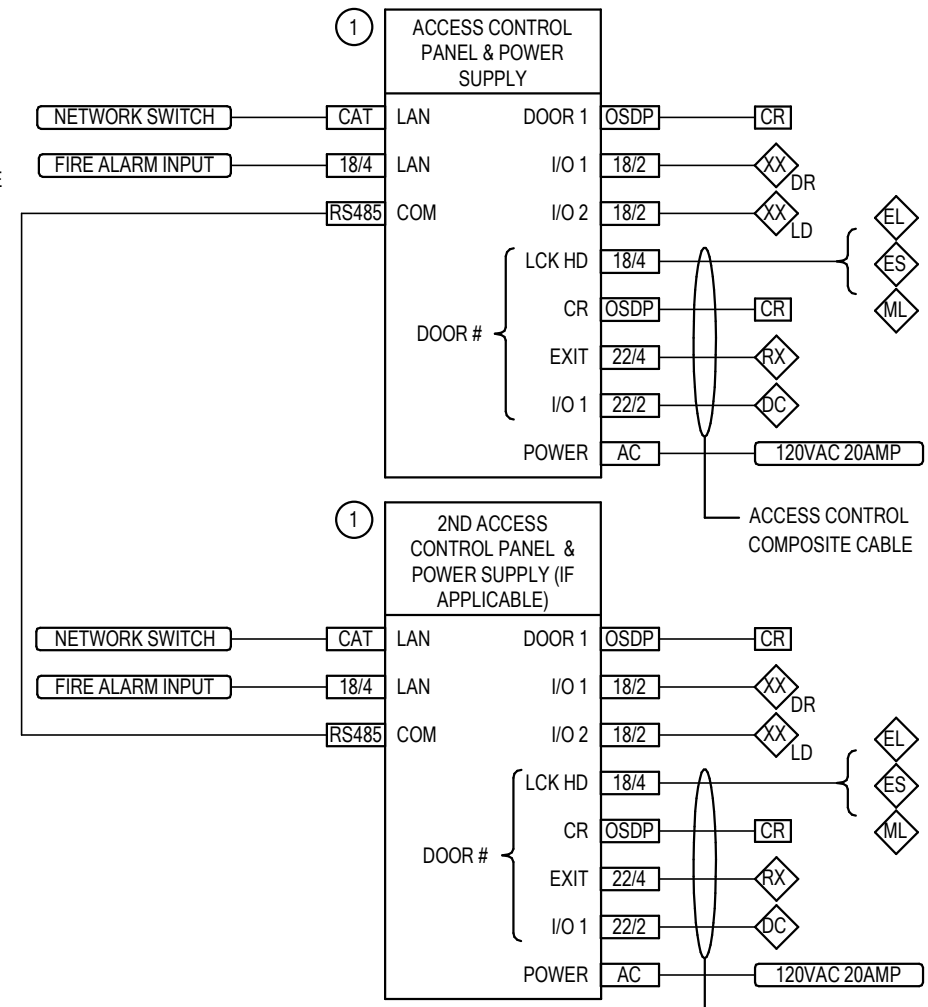


DIAGRAM (EY002) TYPICAL ACCESS CONTROL - ONE LINE
NTS



1. ROUTE CABLEING IN A 3/4" CONDUIT TO ACCESSIBLE CEILING SPACE. PROVIDE SPECIFIED CABLE RACEWAY TO ROUTE CABLEING TO DESIGNATED CONTROL PANELS WITH CABLE SERVICE LOOPS ON EACH END.
2. PROVIDE 3/4 CONDUIT DOWN TO J-BOX, COVER, & GROMMET IF DESK IS <12" AWAY.
3. PROVIDE 3/4 CONDUIT DOWN TO CONCEALED CONDUIT IF DESK IS >12" FROM WALL. PROVIDE STUB-UP UNDERNEATH OR INTO MILLWORK LOCATION. COORDINATE WITH OWNER AND MILLWORK PLANS PRIOR TO STARTING INSTALLATION

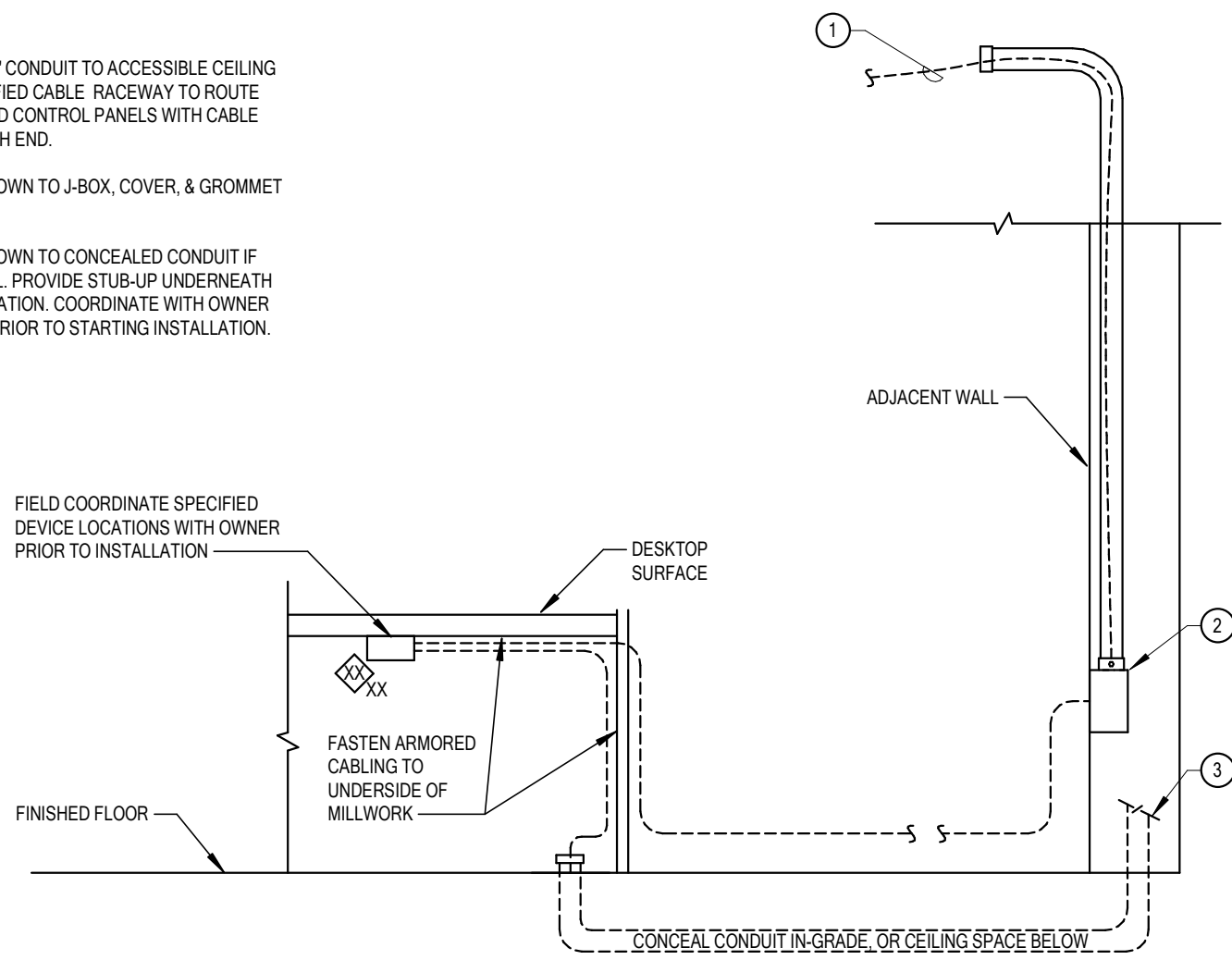


DIAGRAM EY505 TYPICAL MILLWORK SECURITY DEVICES
NTS



1. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR ALL FLOOR LOCATIONS WITHIN A CEILING OR CEILING GRID. FOR AREAS WITHOUT CEILING, CEILING LOCATIONS ARE DIAGRAMATIC. THE INTENT IS TO ALLOW, CLOSER, OR SPACE FIXTURES BETWEEN EXISTING AND NEW STRUCTURAL ELEMENTS. CONTRACTOR TO PAINT EXPOSED RACQUET TO MATCH ADJACENT SURFACES.
2. ELECTRICAL CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR FOR PLACEMENT OF FIXTURES WITH MECHANICAL ROOMS.
3. ALL ROOM CONTROLLERS AND POWER PACKS SHALL BE INSTALLED IN THE CEILING SPACE DIRECTLY ABOVE THE ENTRY DOOR TO THE SPACE IT IS CONTROLLING.
4. SEE CORRESPONDING LIGHTING DIAGRAMS FOR GENERAL INSTALLATION REQUIREMENTS, CONNECTIONS, AND CABLE TYPES.
5. PROVIDE UNSWITCHED NORMAL CIRCUIT HOT LEG TO ALL EMERGENCY POWER CONTROL DEVICES FOR PROPER POWER SENSING.
6. PROVIDE UNSWITCHED HOT AHEAD OF RELAY, OCCUPANCY SENSOR, OR SWITCH TO ALL EXIT SIGNS.
7. IF SHOWN, SUPPLY CONTACT NEAR LIGHTING DEVICES INDICATES CONTROL INTENT. PROVIDE LIGHTING CONTROLLERS WITH THE REQUIRED NUMBER OF RELAY DRIVERS.
8. MANUFACTURER'S REPRESENTATIVE FOR DIVISION 26 AND BIDDING CONTROL SHALL BE ACCOUNTABLE FOR THE COMPREHENSIVE LIGHTING SPACE SPECIFICATION IN ALIGNMENT WITH THE DESIGN INTENT EXPRESSED IN THE DRAWINGS AND COMPLYING WITH IECG 203 REQUIREMENTS. THE LIGHTING REPRESENTATIVE IS REQUIRED TO DEVELOP DETAILED SHOP DRAWINGS DEMONSTRATING THE LIGHTING CONTROL SYSTEMS TOPOLOGY AND THE ESSENTIAL CONNECTIONS NECESSARY FOR ITS PROPER FUNCTIONALITY. LIGHTING CONTROL DEVICES SHOWN ARE TO PROVIDE GENERAL INTENT ONLY. MANUFACTURERS REPRESENTATIVE TO PROVIDE ALL ADDITIONAL DEVICES AND MODIFY DEVICE FUNCTIONS AS REQUIRED TO MEET IECG 203 REQUIREMENTS.
9. PROVIDE ADDITIONAL RELAY DRIVERS FOR DAYLIGHT ZONES AS NEEDED. PROVIDE A 50V DIMMING FOR ALL AREAS AND ROOMS WHERE 0-10V DIMMING IS INDICATED BY THE WALLSATION CONTROL SEQUENCE AND/OR BY TYPE OF CONTROL. INTERFERENCE OPEN EXPOSED TO THE WALLSATION CONTROL SHALL BE USED FOR DIMMING.
10. COORDINATE PLACEMENT OF ELECTRICAL DEVICES WITH ARCHITECT PRIOR TO ROUGH-IN. WHERE DEVICES ARE SHOWN IN SAME WALL, SPACE, ALTERNATE VERTICALLY AND HORIZONTALLY. COORDINATE WITH ARCHITECTURAL DRAWINGS, ATHLETIC SAFETY WALL PADDING AND CABINETS DRAWINGS.
11. ALL THE LOW VOLTAGE WIREABLE FOR LIGHTING SYSTEMS, AUDIOVISUAL EQUIPMENT, SOUND AMPLIFICATION, ETC. TO BE ROUTED THROUGH CONDUIT (NEEDED AND CLOUDED) CEILING AREAS.
12. ALL LOW VOLT WIREABLE FOR LIGHTING SYSTEMS, AUDIOVISUAL EQUIPMENT, CLASSROOM SOUND AMPLIFICATION, ETC. TO BE ROUTED THROUGH THE TELECOM SPECIFIED 1/2" RIGID INTERMEDIATE AND TO ALL BUILDING STRUCTURAL LINES. PULLING WIRE DIAGONALLY ACROSS ROOMS IS NOT ALLOWED. USING CEILING SYSTEM OR LIGHT FIXTURE SUPPORT/SECURE WIRES FOR SUPPORT IS NOT ALLOWED.
13. PROVIDE GFCI PROTECTION ON ALL DEVICES AND EQUIPMENT PER THE NEC REQUIREMENTS. PROVIDE SHALL BE READY ACCESSIBLE TO THE USER. IF NOT INSTALLED WITHIN FEET OF OUTSIDE EDGE OF BANK, CONTRACTOR SHALL PROVIDE GFCI RECEPTACLE PER NEC, WHETHER SHOWN OR NOT.
14. IF RECEPTACLES LOCATED THROUGHOUT THE BUILDING SHALL BE TAMPER RESISTANT PER NEC 409.42.
15. ELECTRICAL CONTRACTOR SHALL COORDINATE ACTION LOCATION OF ALL MECHANICAL, UNITS WITH MECHANICAL CONTRACTOR. CIRCUITS TO ALL MECHANICAL EQUIPMENT SHALL BE DEDICATED UNLESS NOT OTHERWISE.
16. ALL NEW DATA DROPS SHALL BE RAN TO THE BASEMENT LEVEL, IDF ROOM, UNLESS OTHERWISE NOTED.

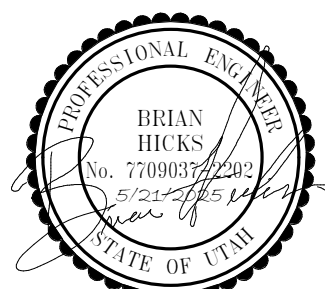
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CONSTRUCTION DOCUMENTS
MAY 21, 2025

SHEET NAME
ELECTRICAL
PLANS

SHEET NUMBER

E101